

FIG.1

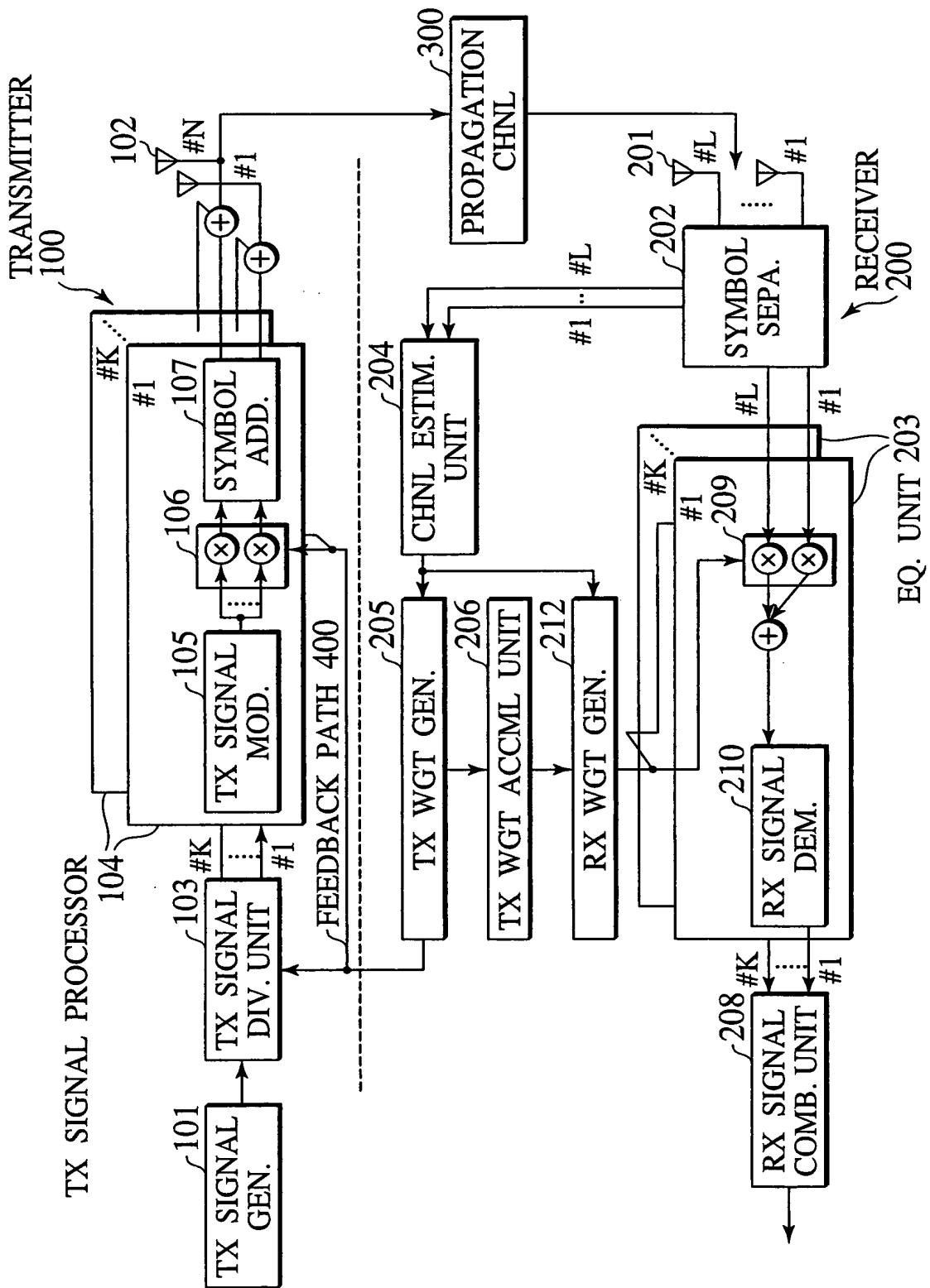


FIG.2A

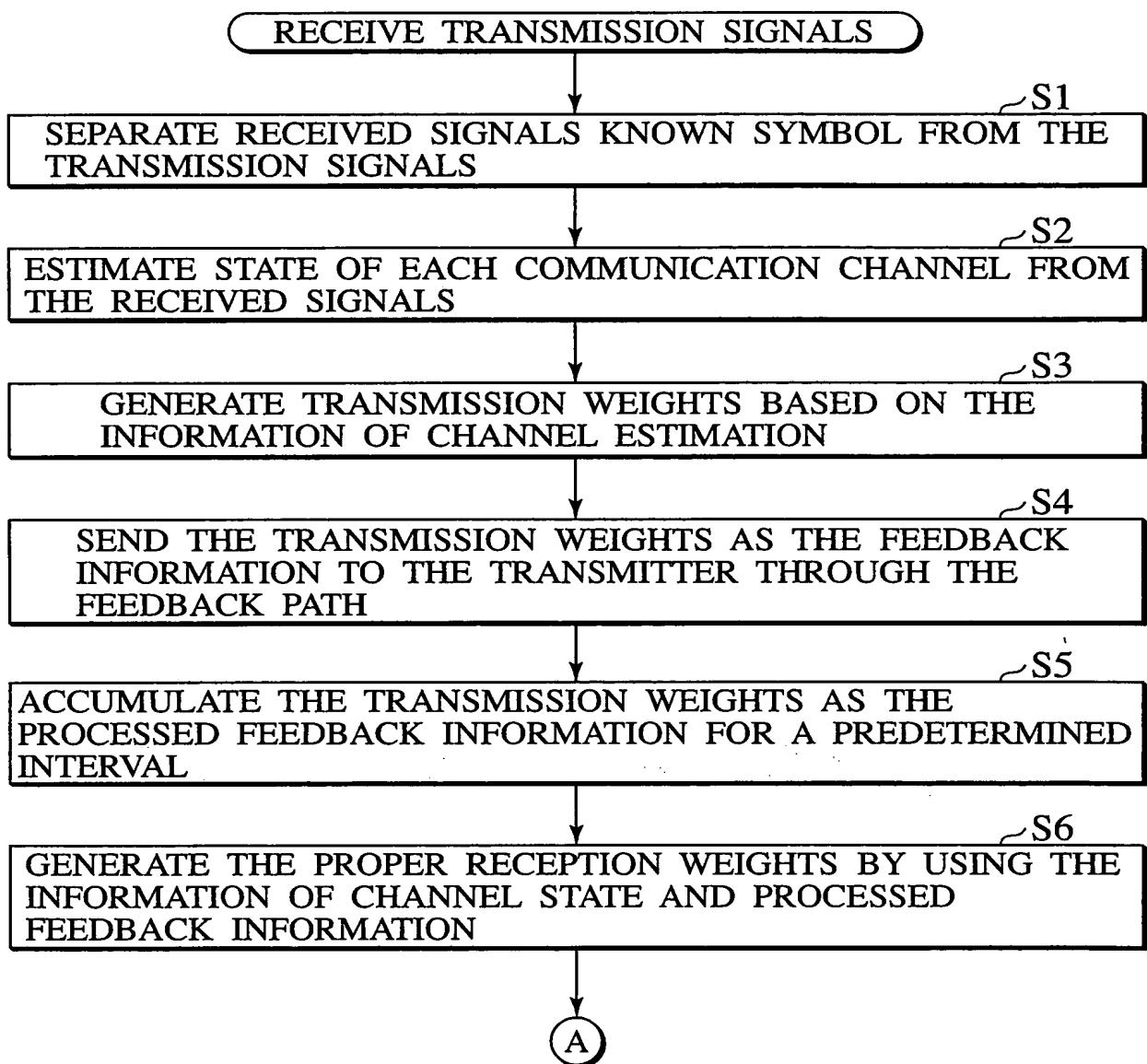


FIG.2B

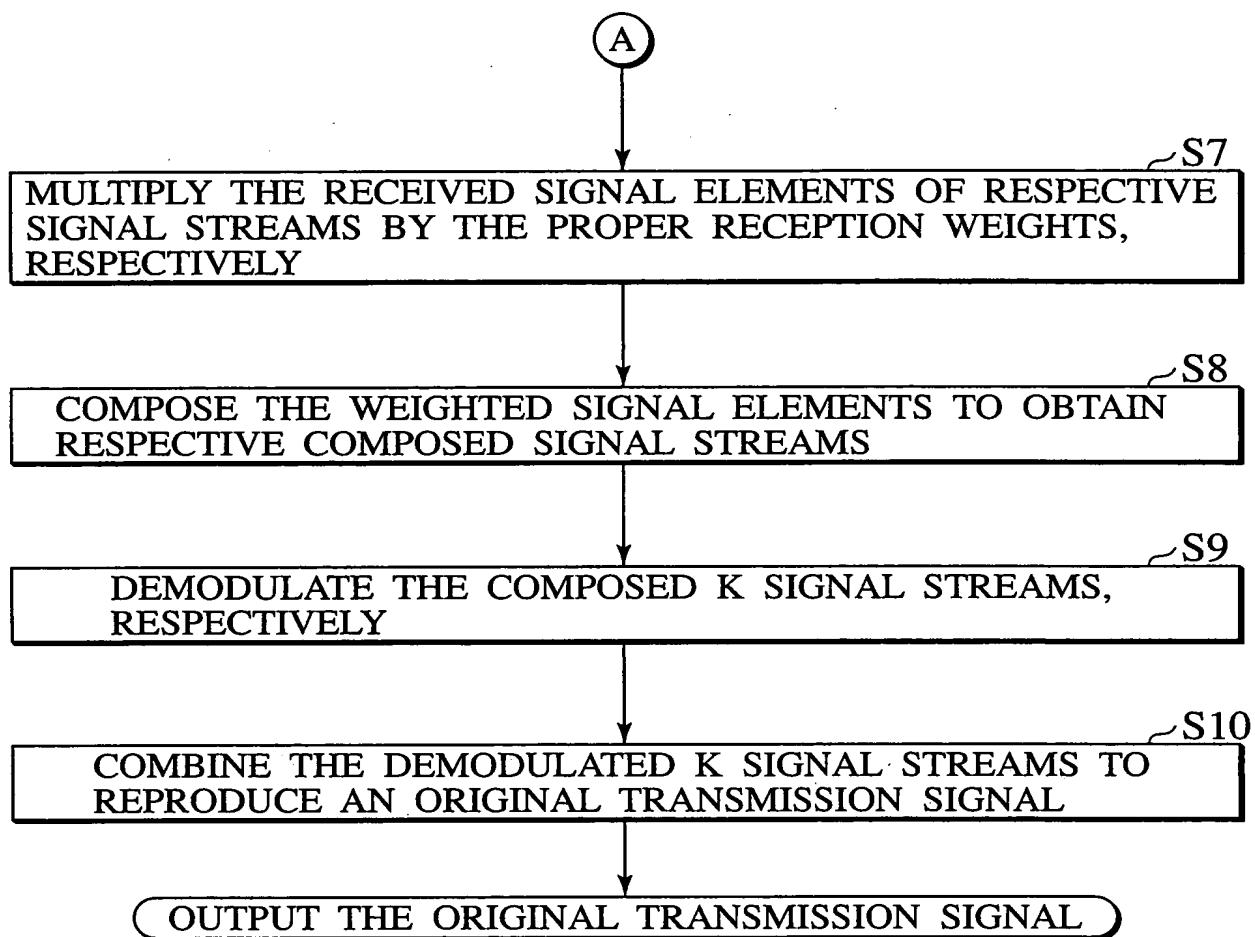


FIG.3

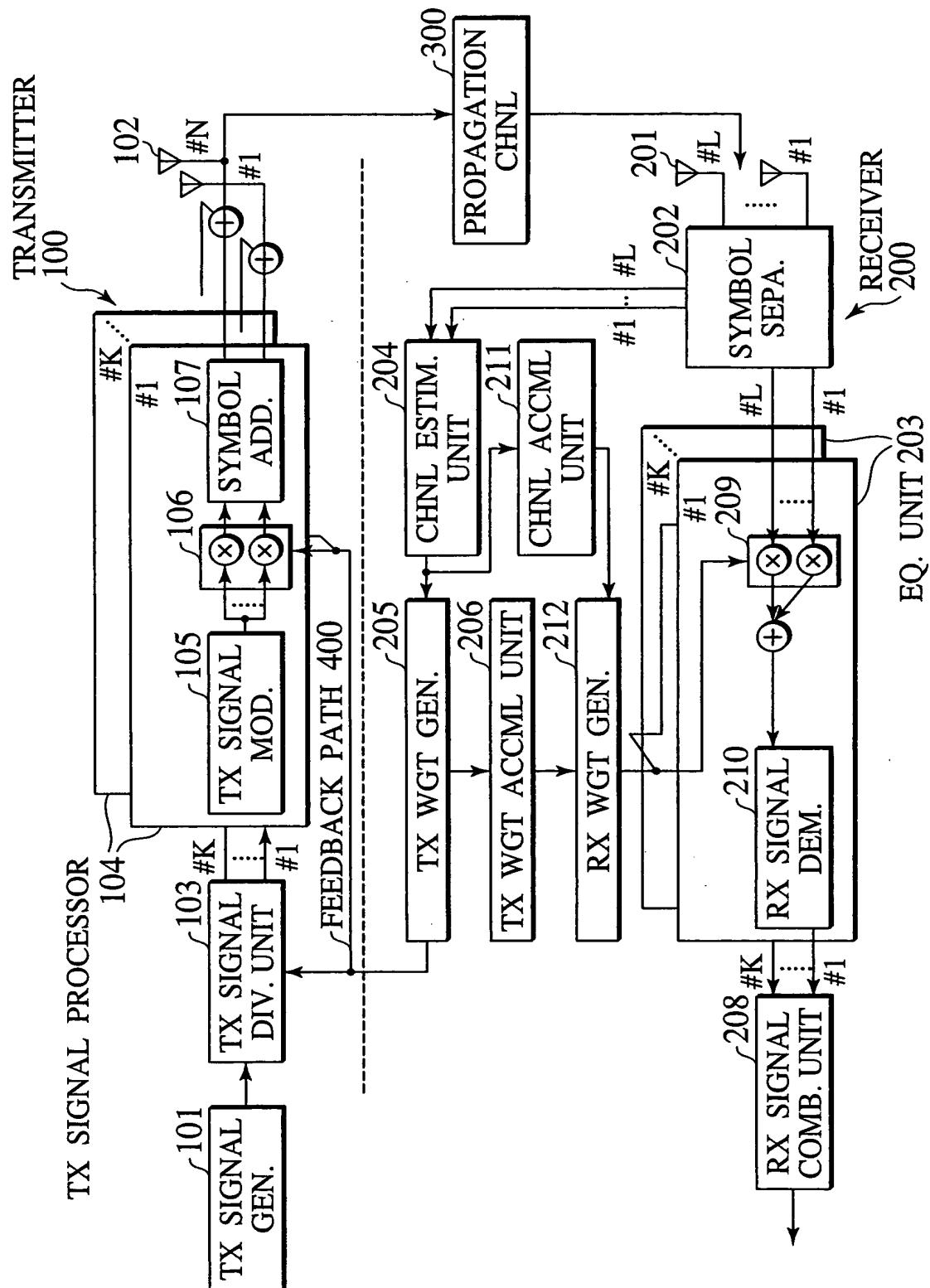
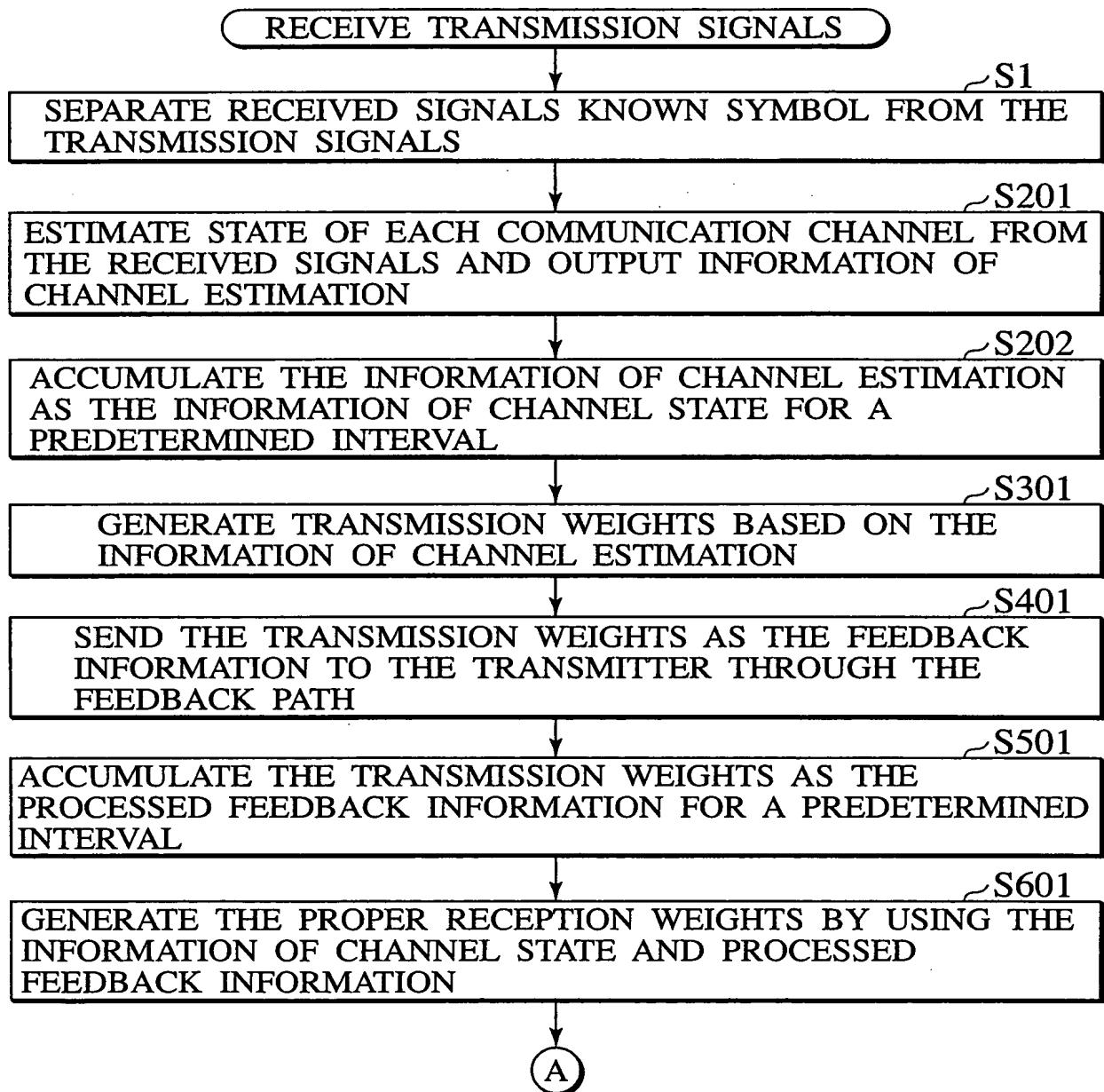


FIG.4



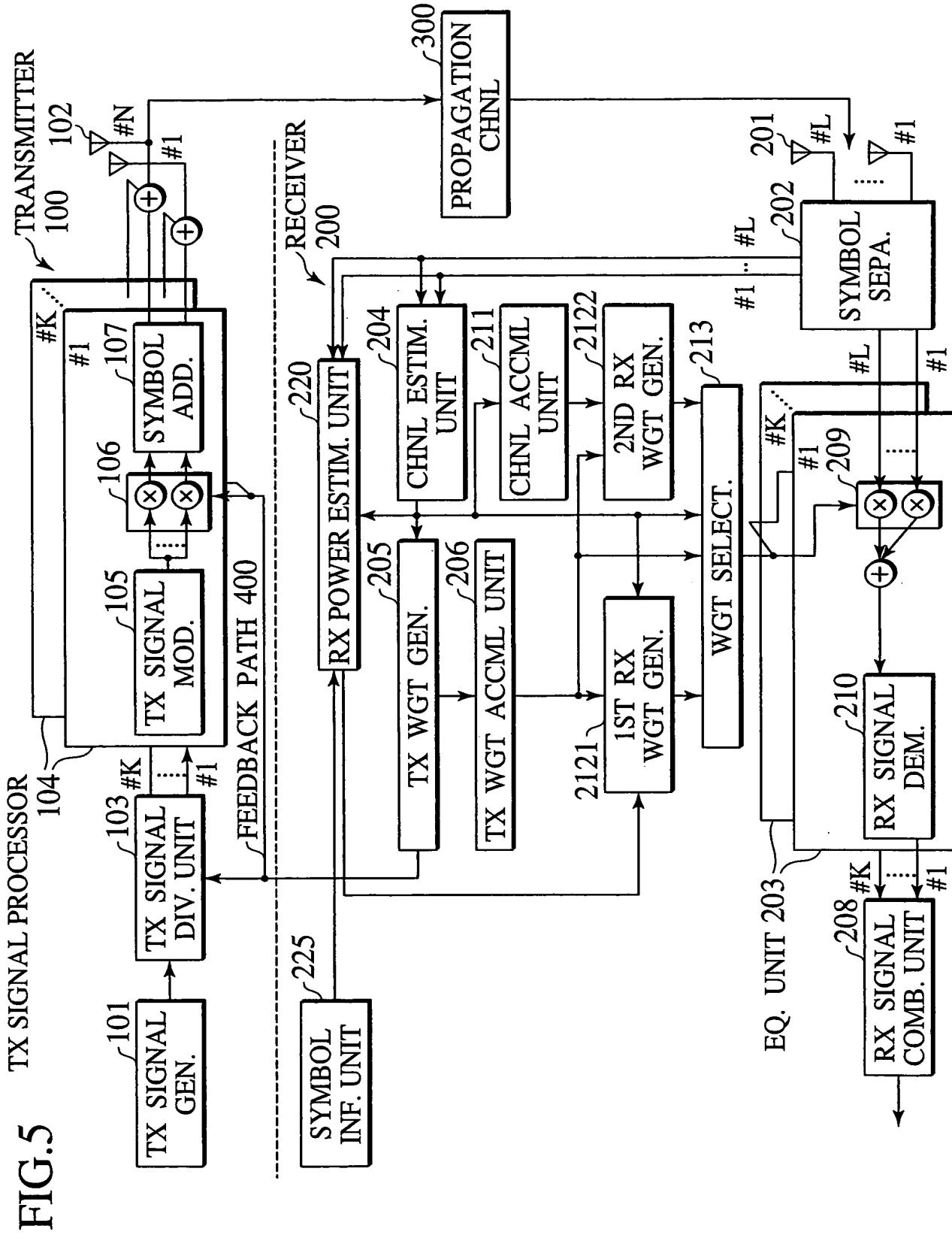


FIG.6

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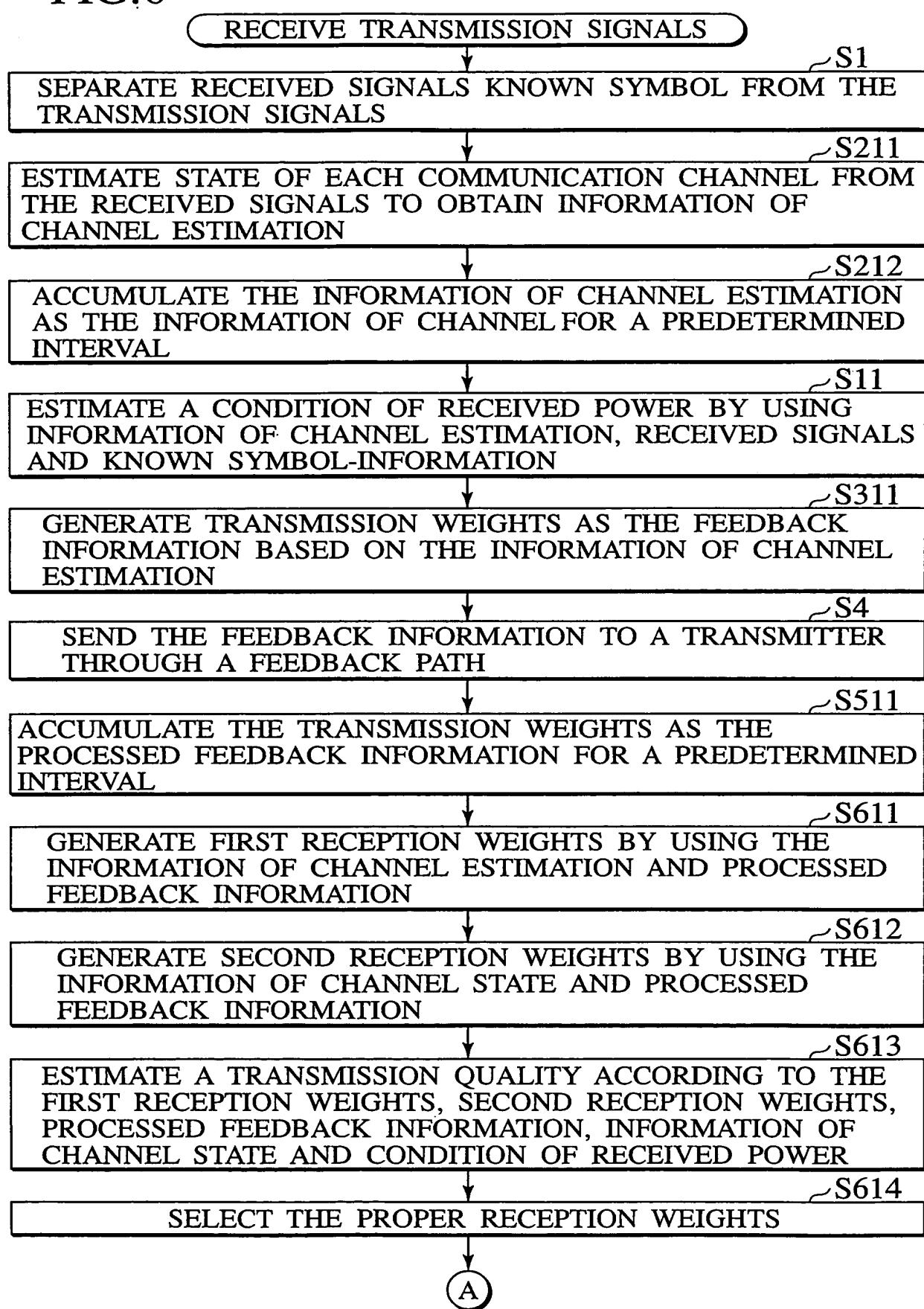
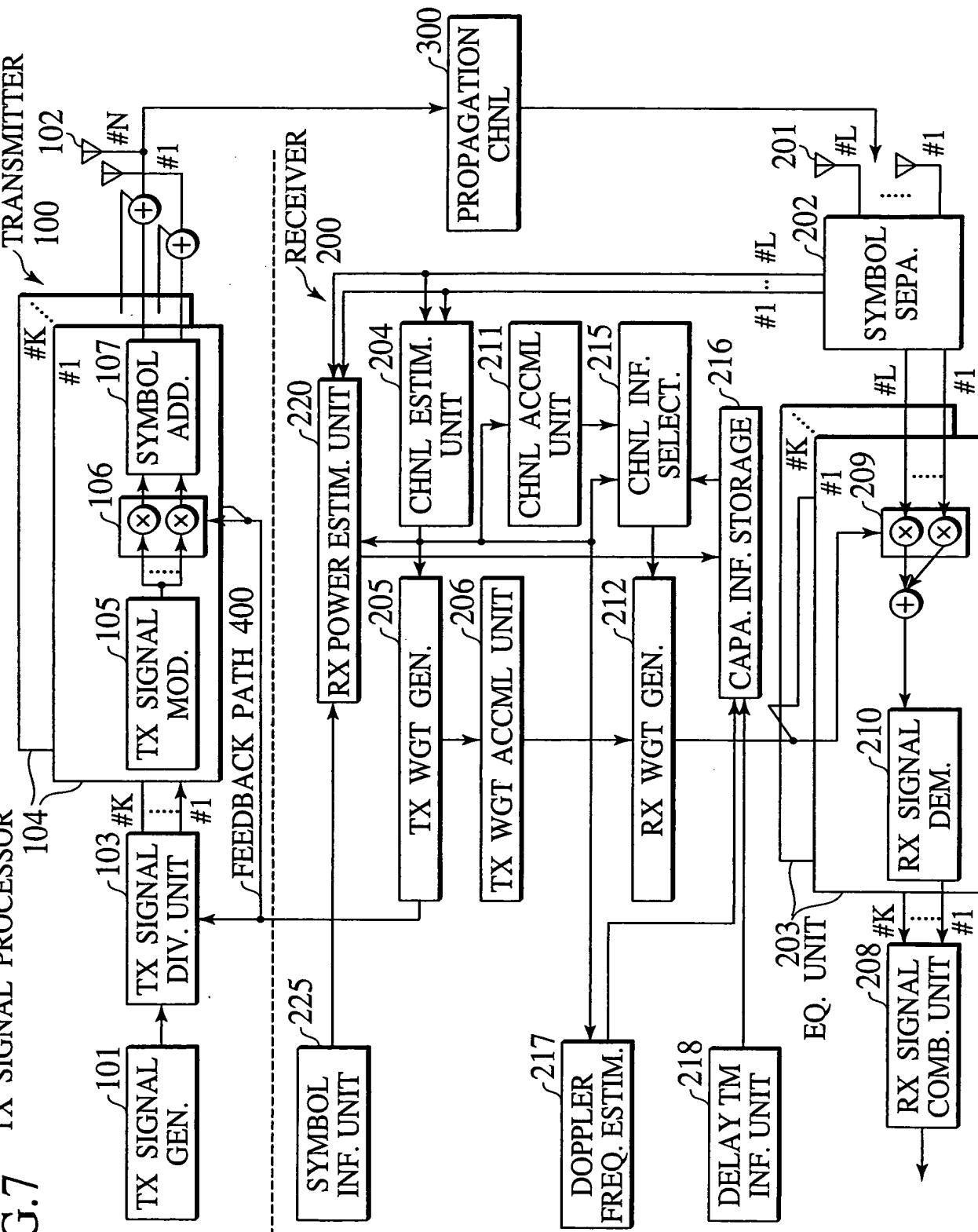


FIG.7 TX SIGNAL PROCESSOR 104:



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FIG.8

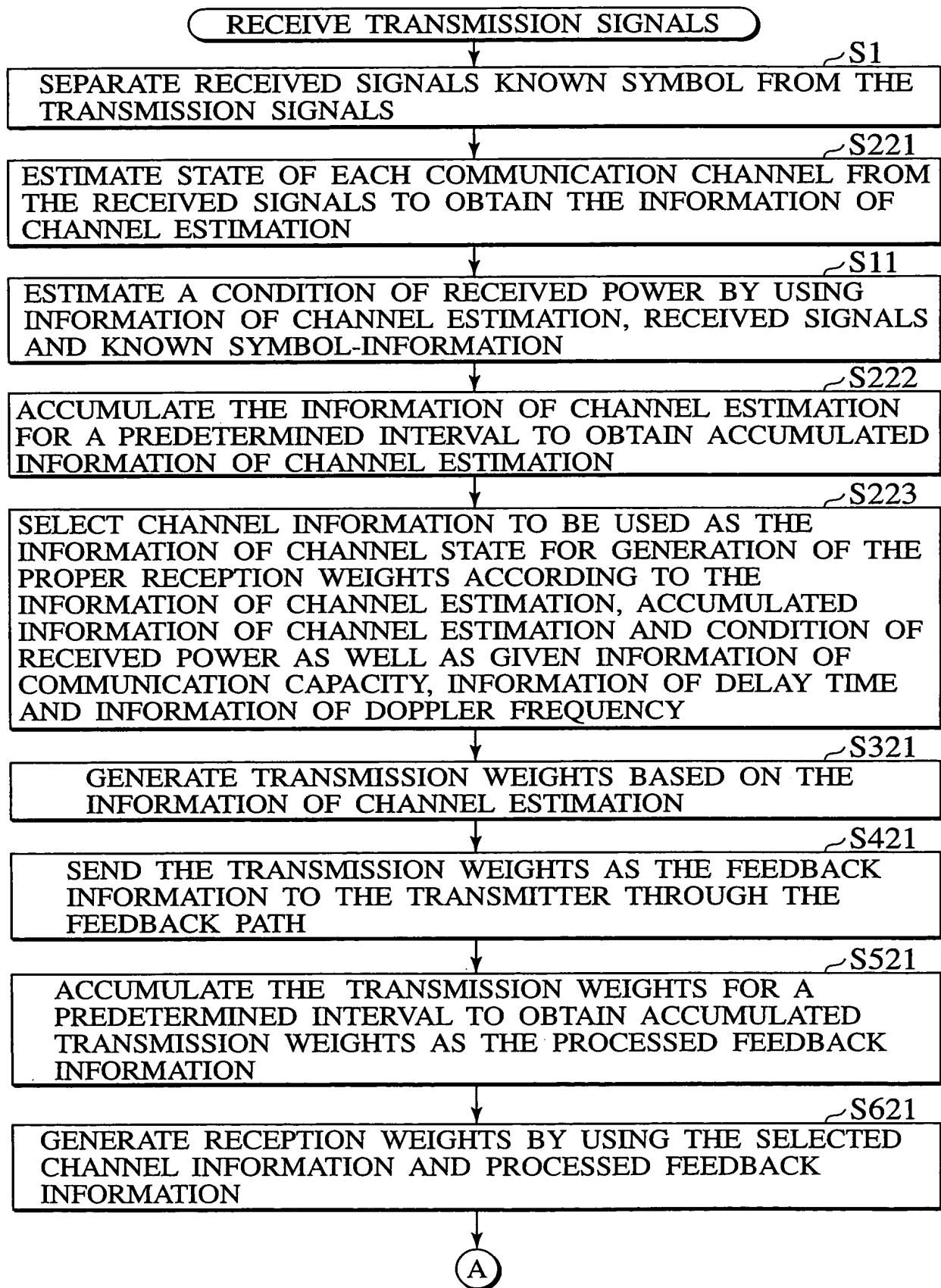


FIG.9

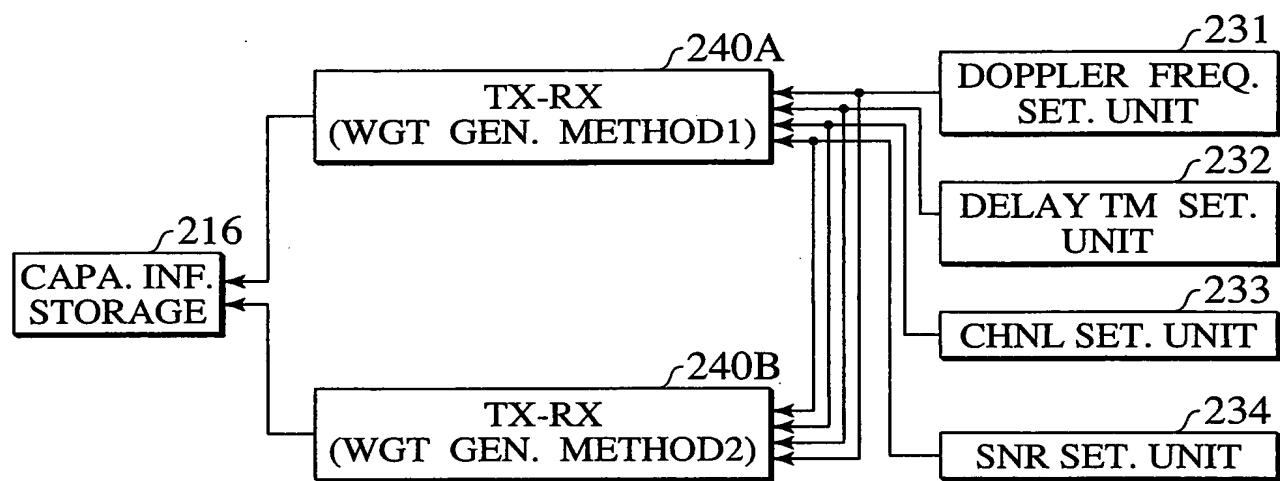


FIG.10

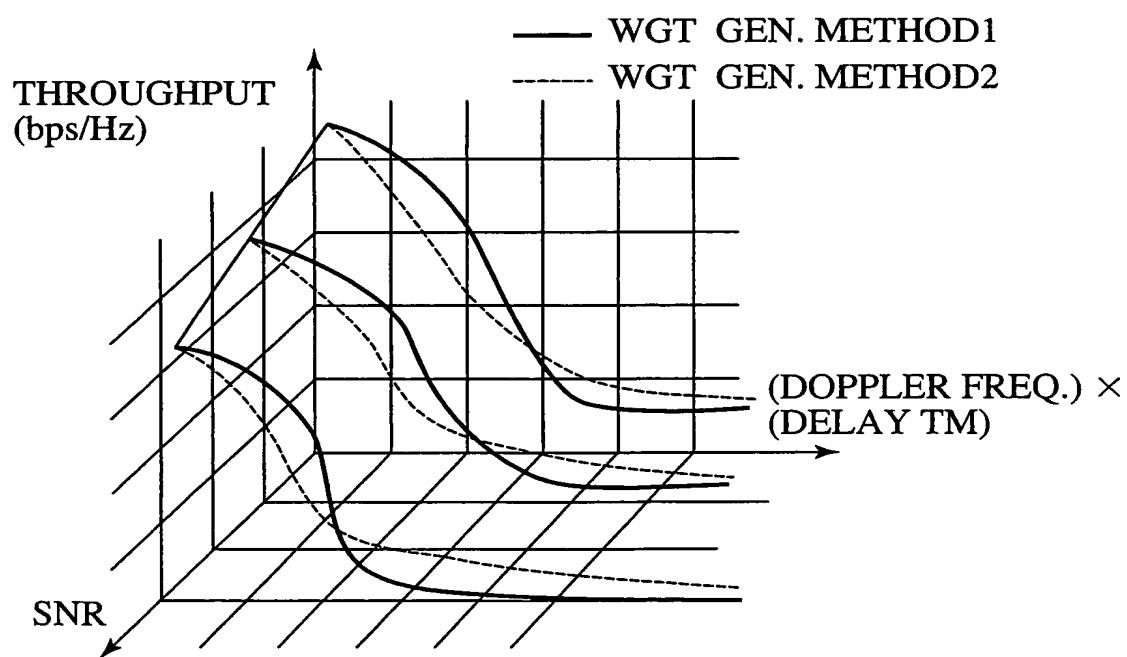


FIG.11

TRANSMITTER
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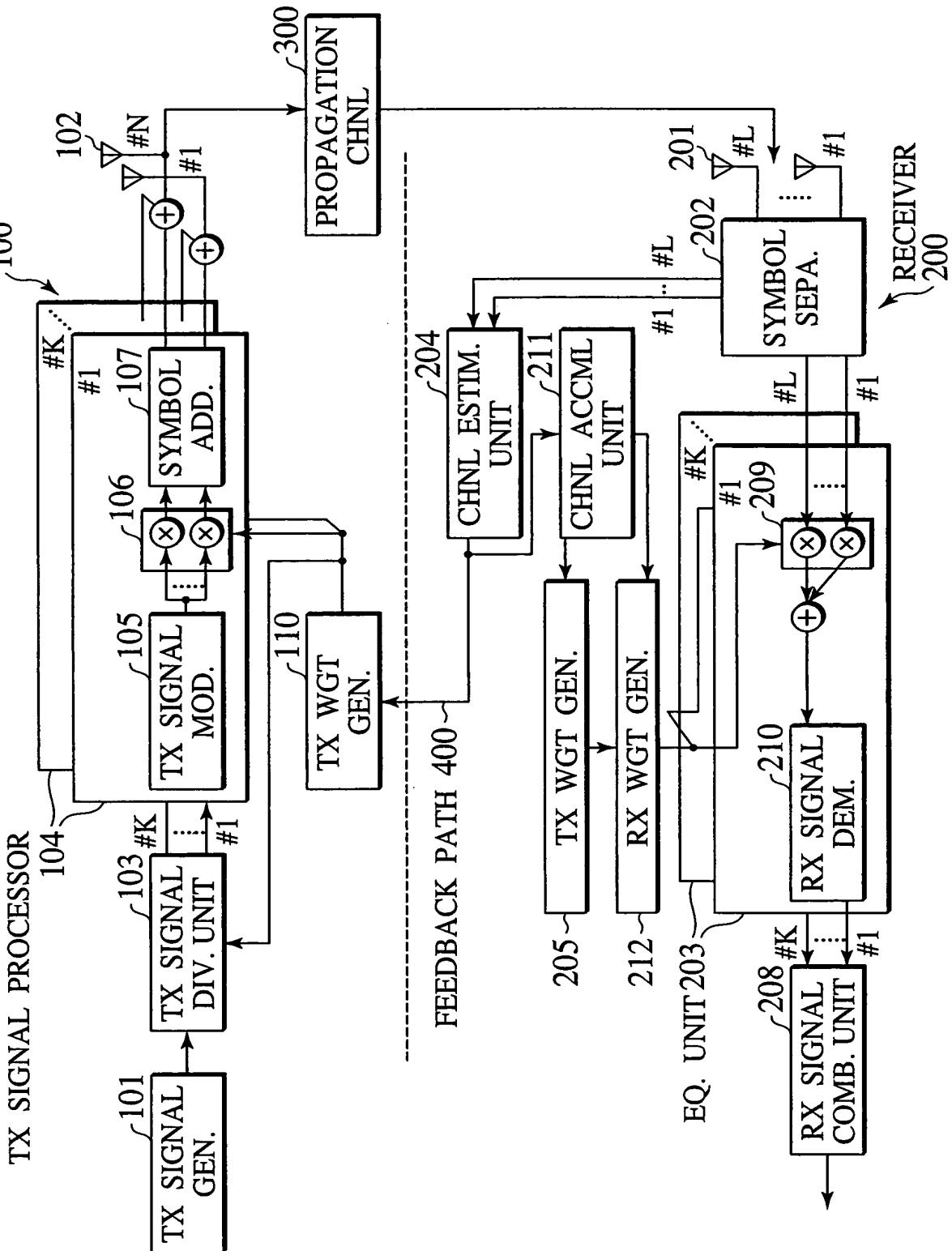


FIG.12A

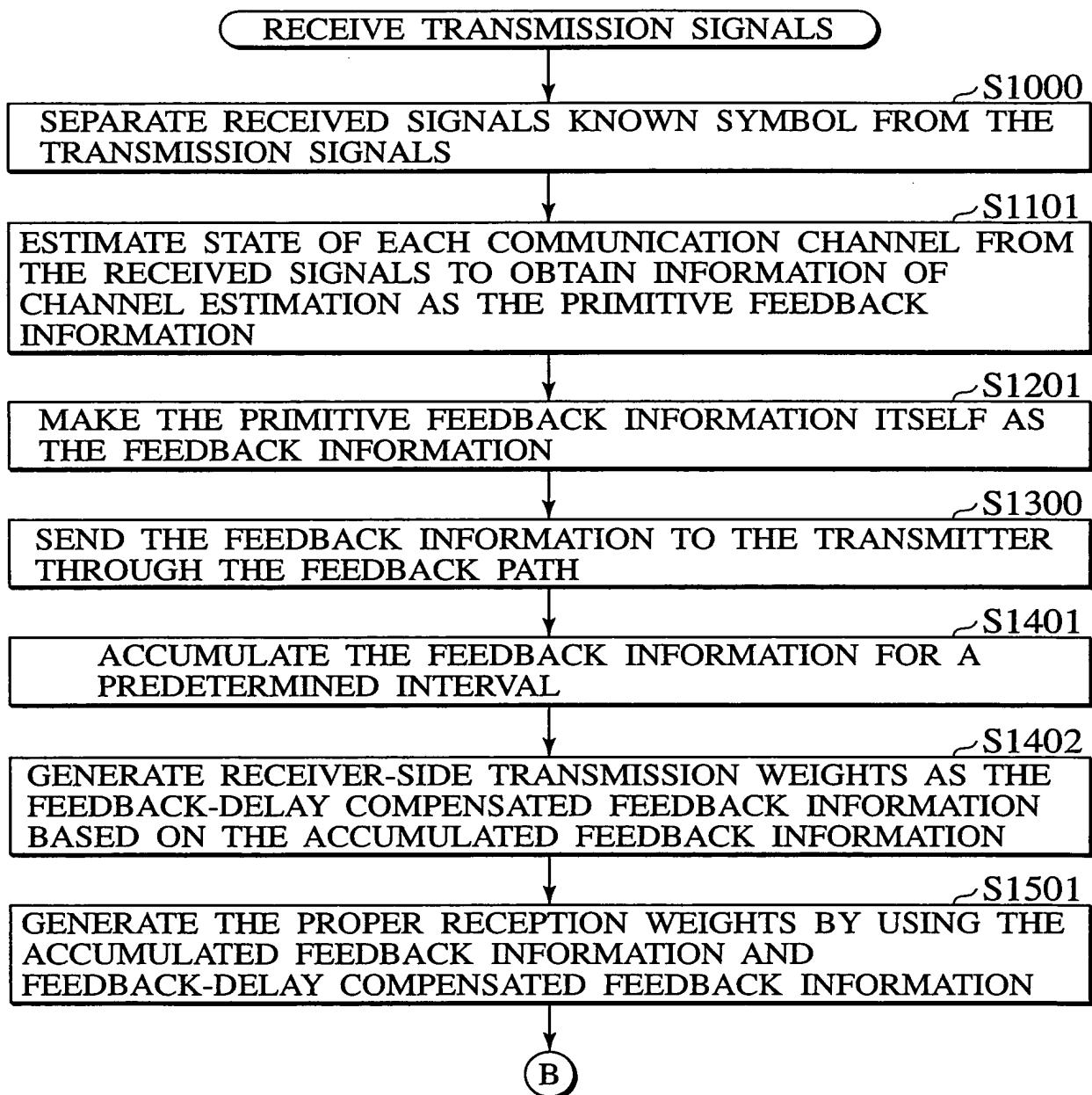


FIG.12B

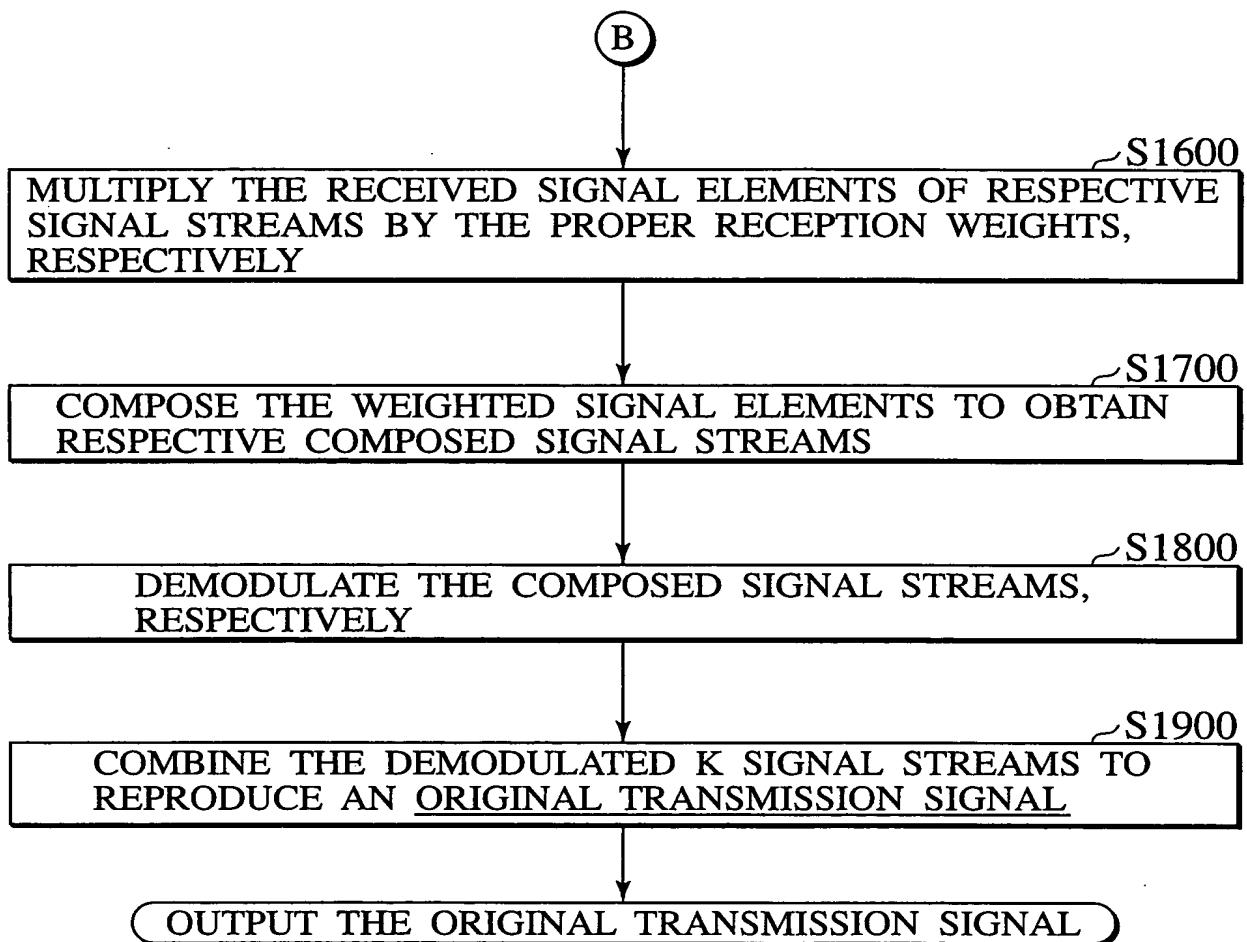


FIG.13 TX SIGNAL PROCESSOR

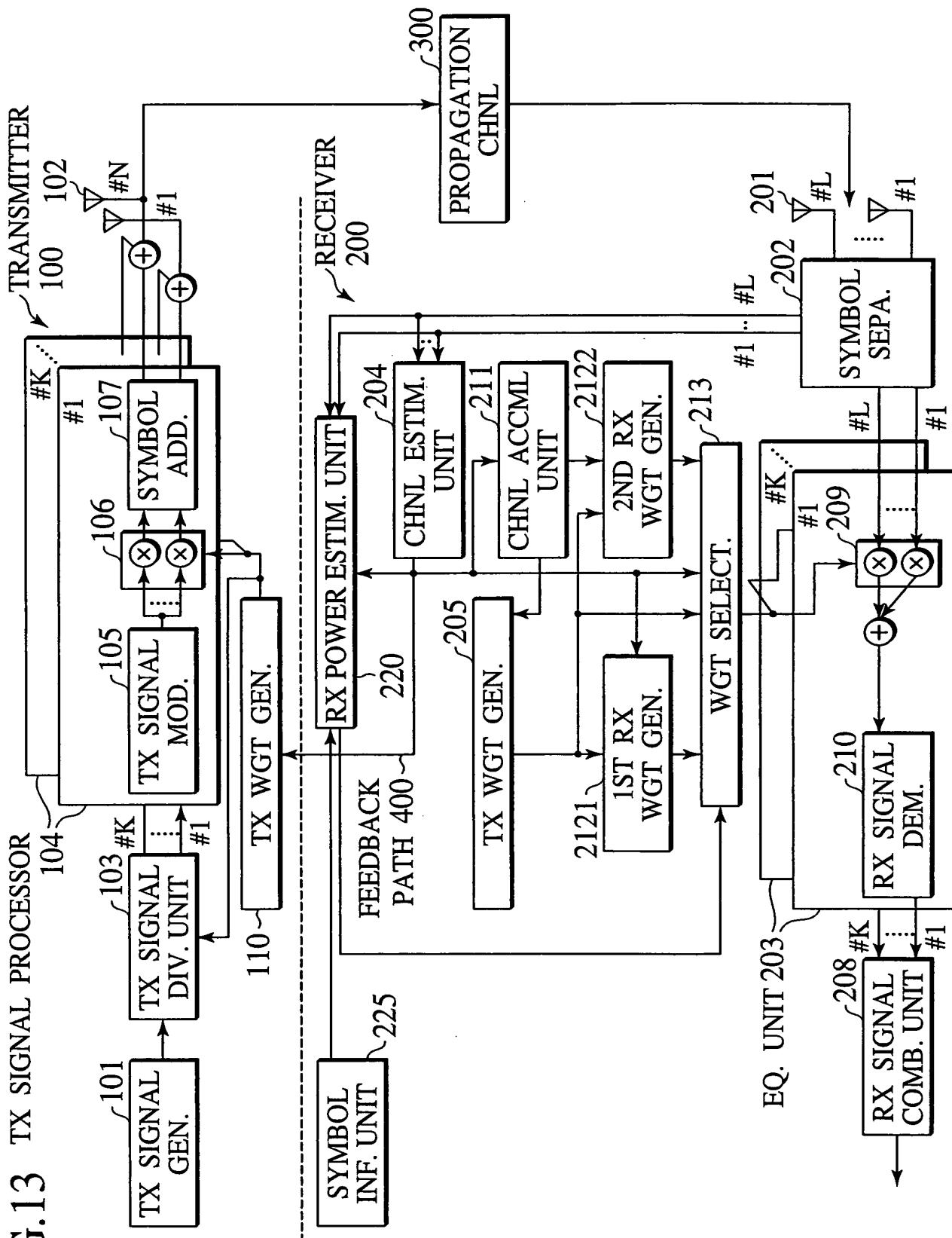


FIG.14

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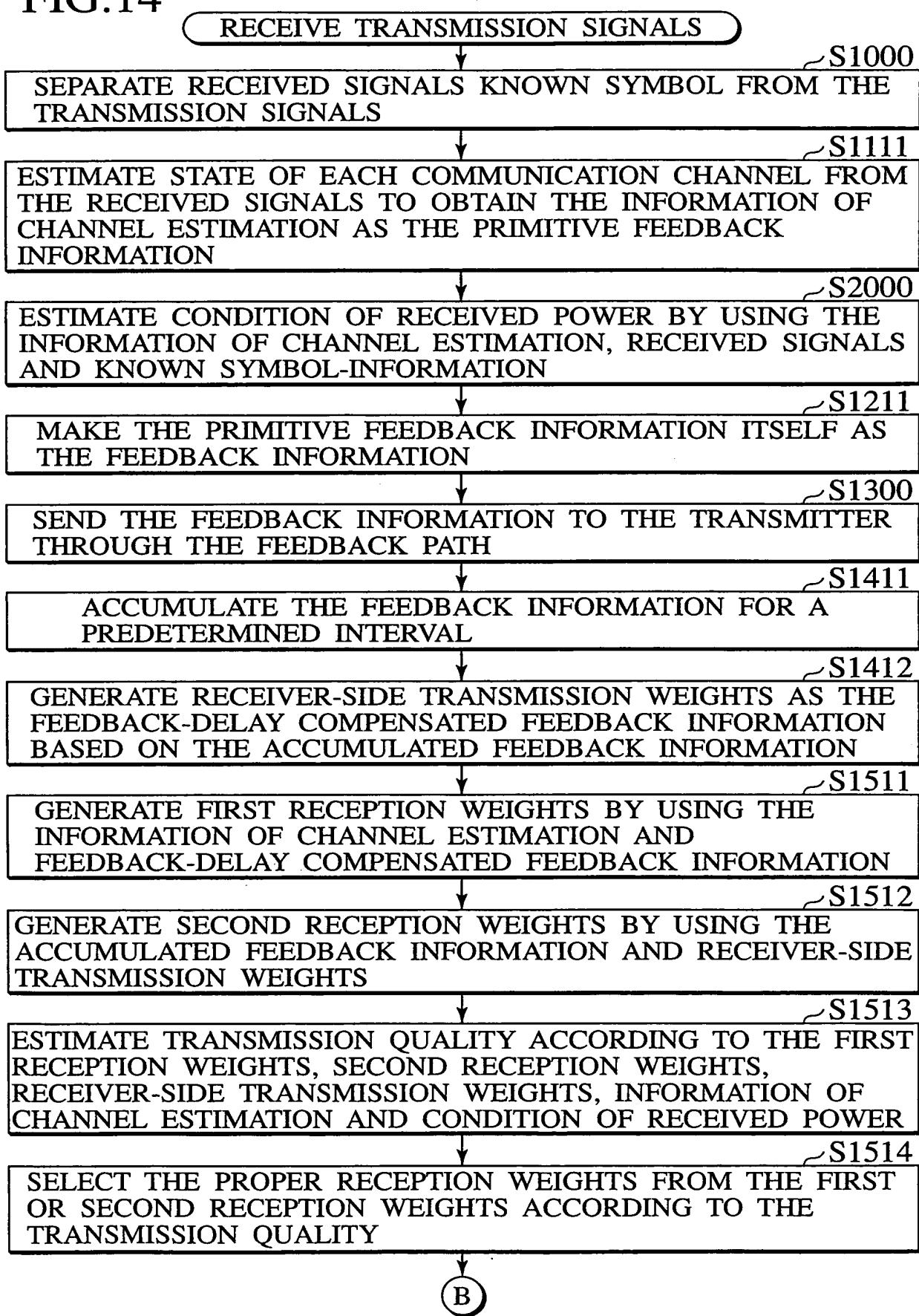
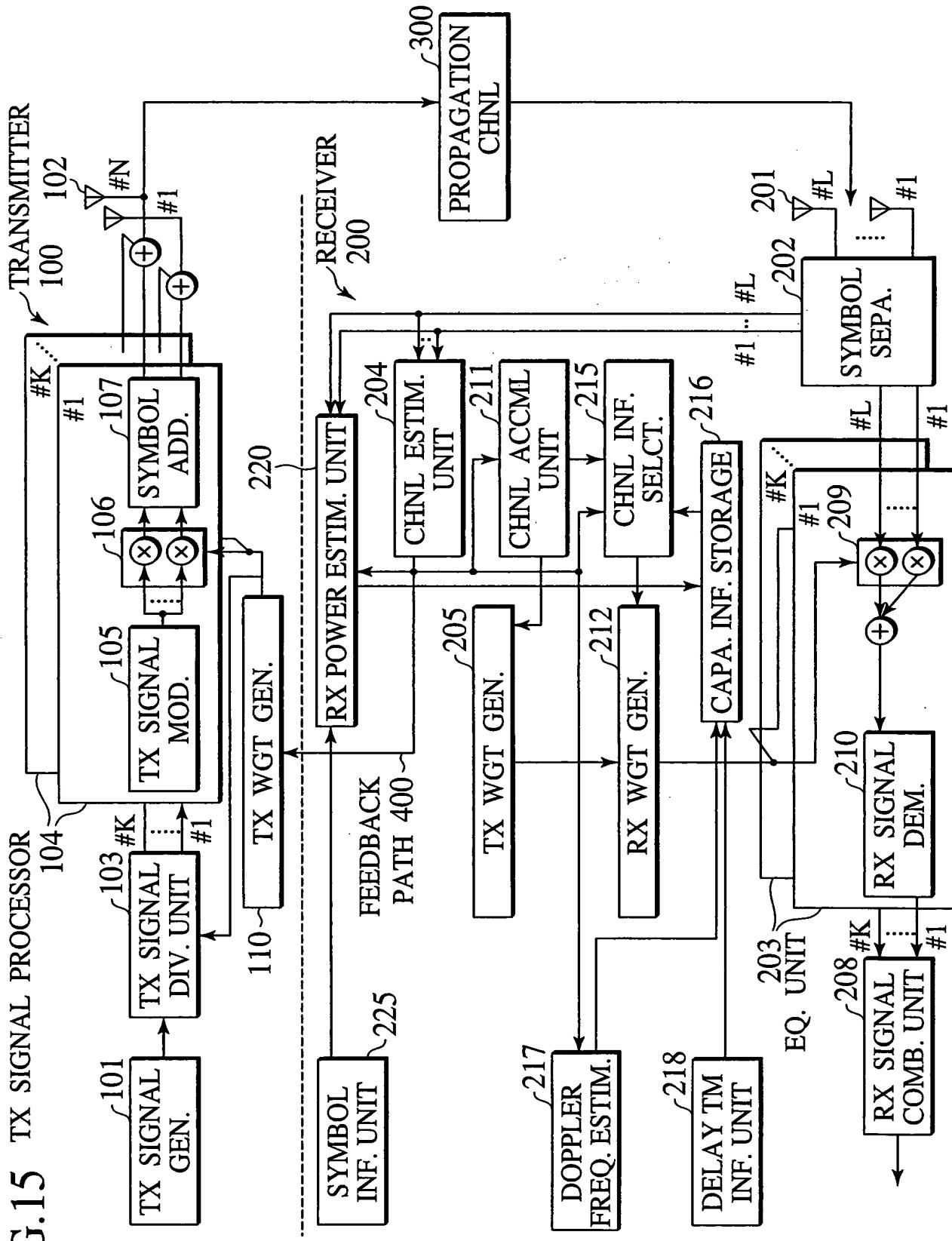


FIG.15 TX SIGNAL PROCESSOR



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FIG.16

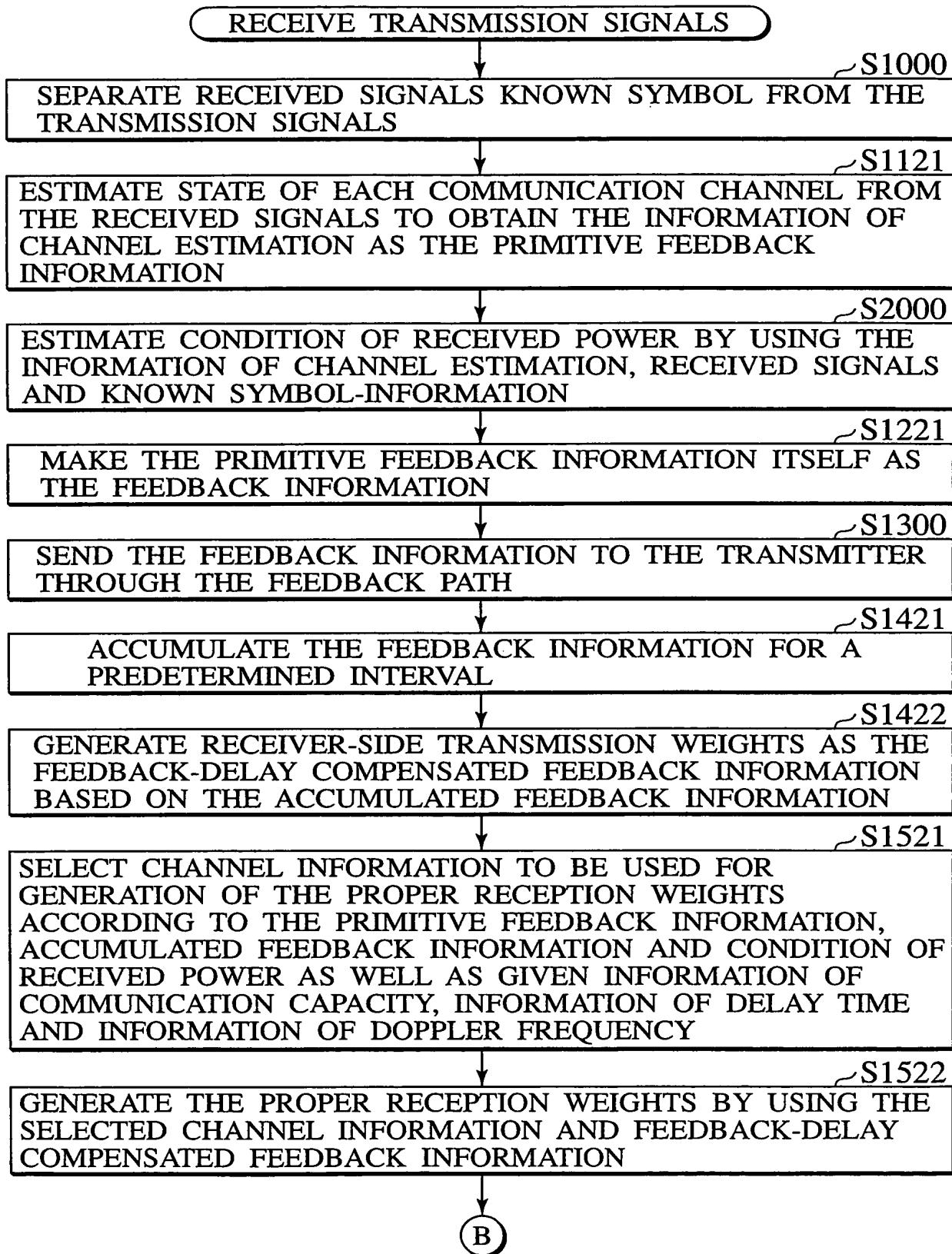


FIG.17 TX SIGNAL PROCESSOR

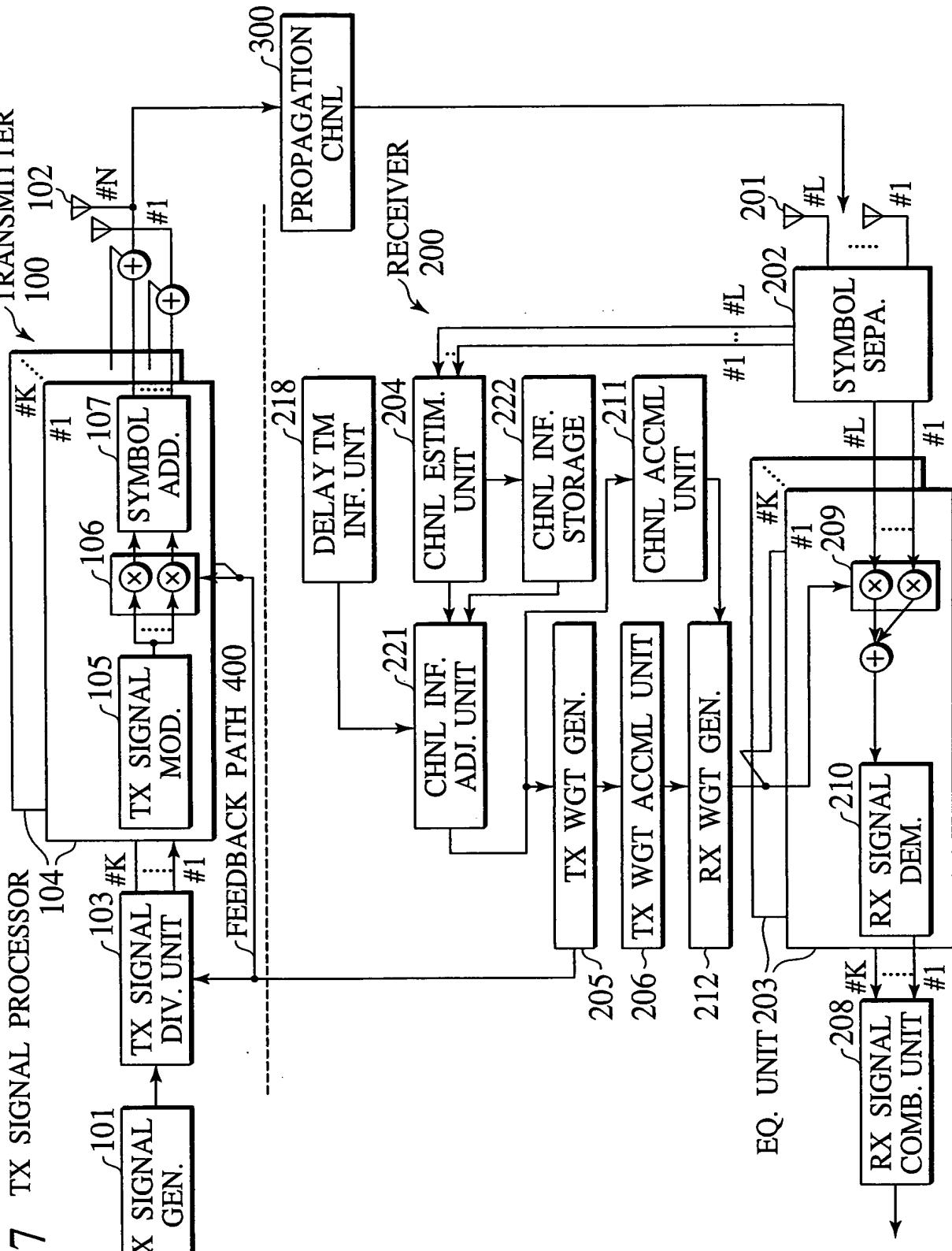


FIG.18

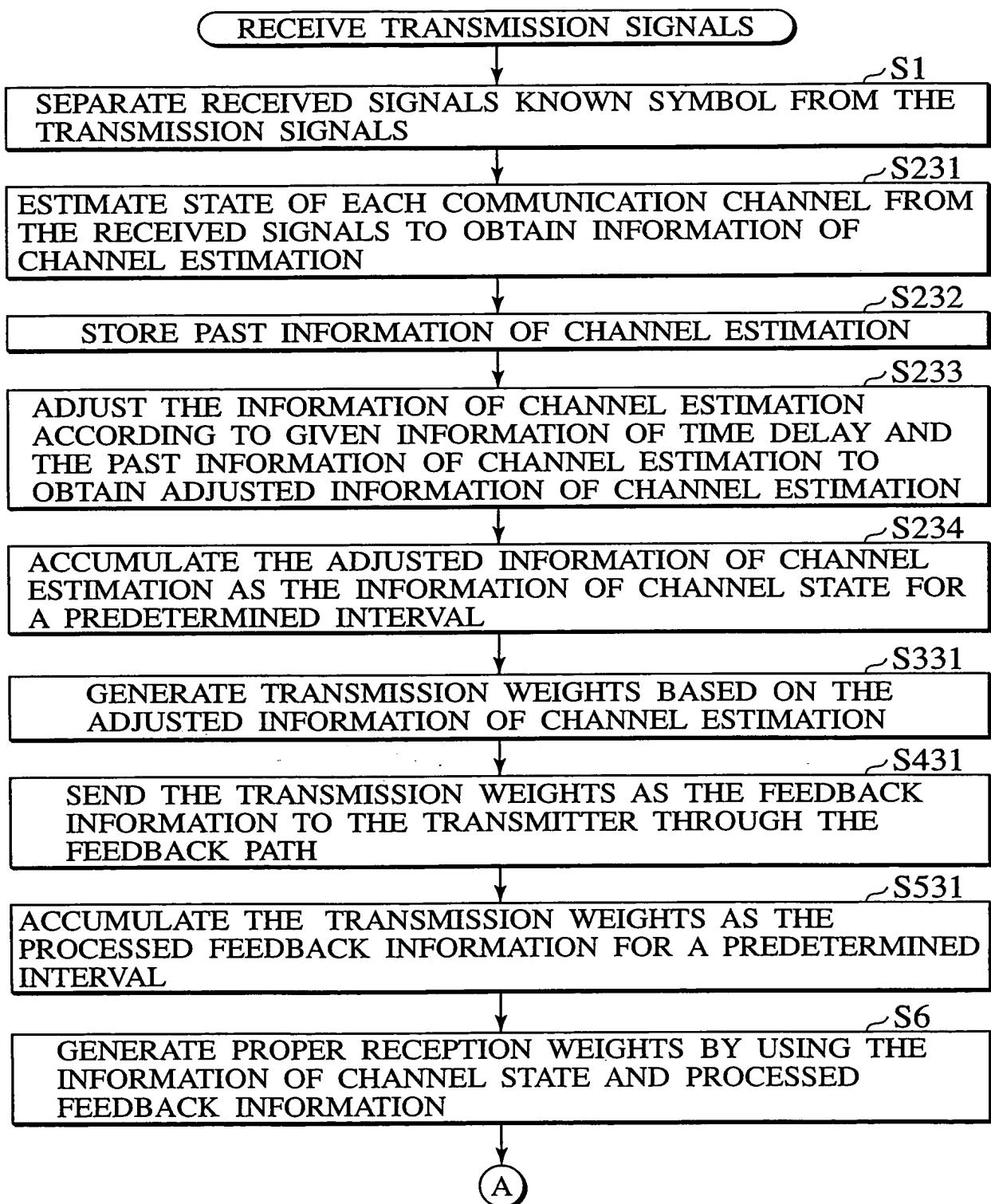
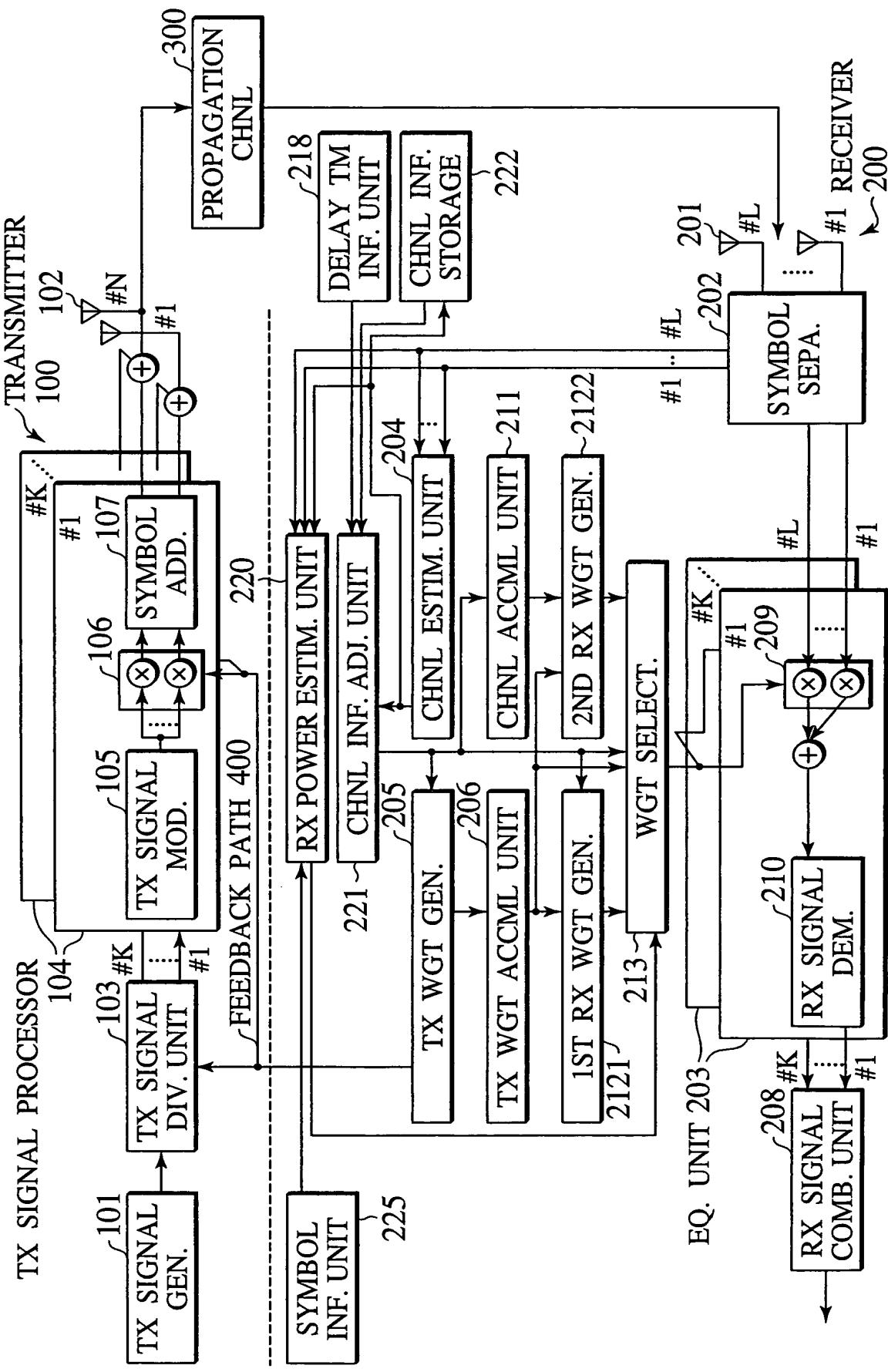


FIG. 19



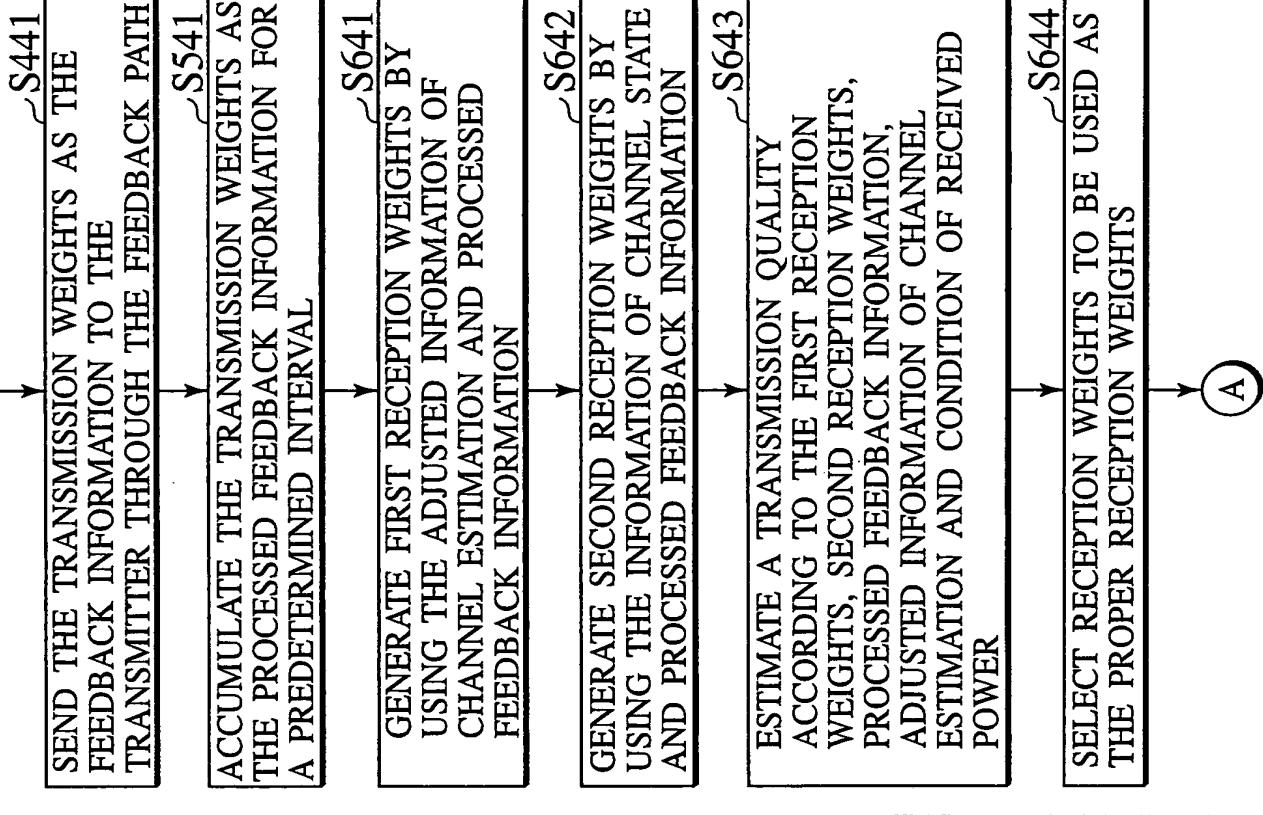
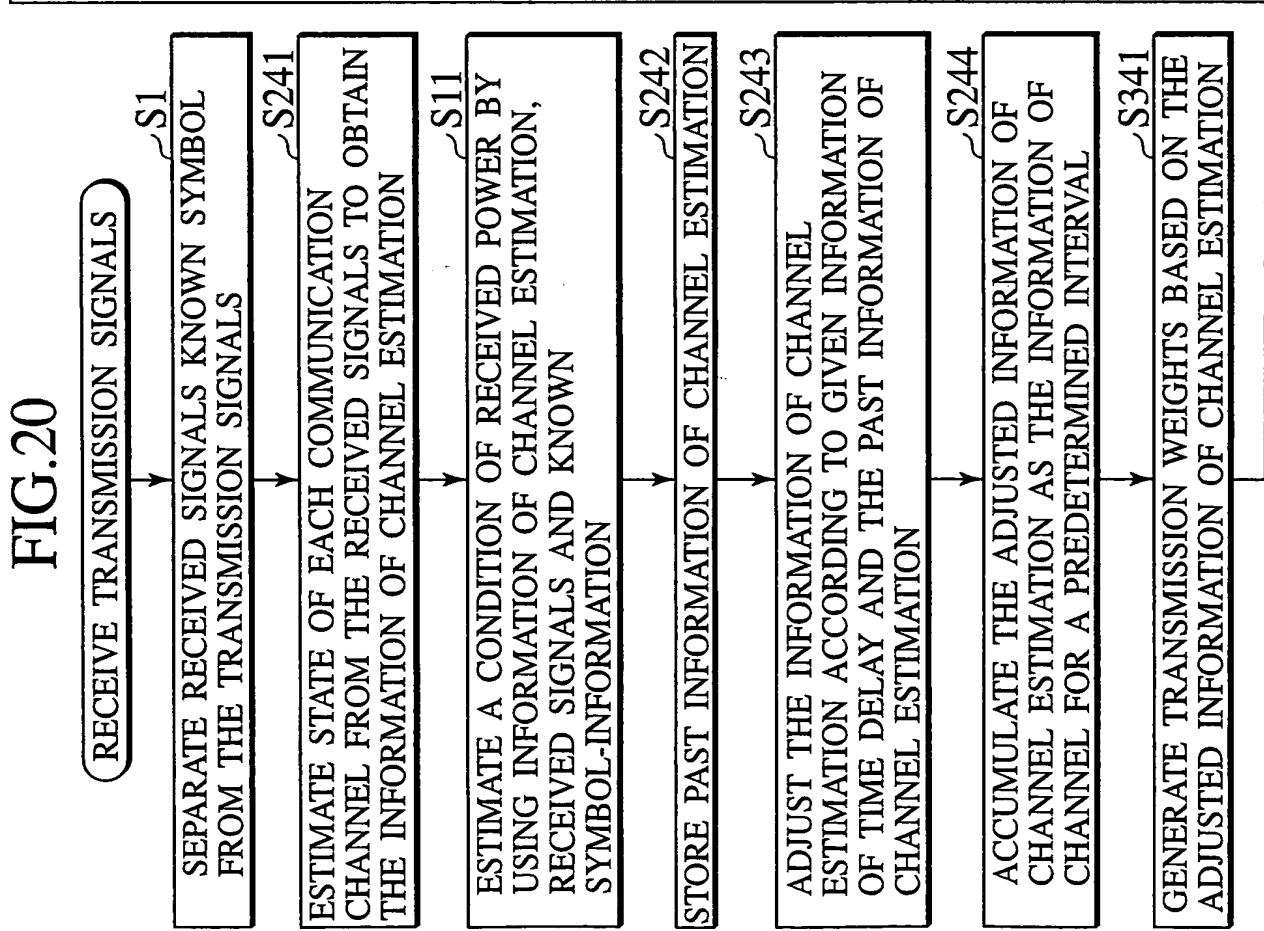


FIG.21

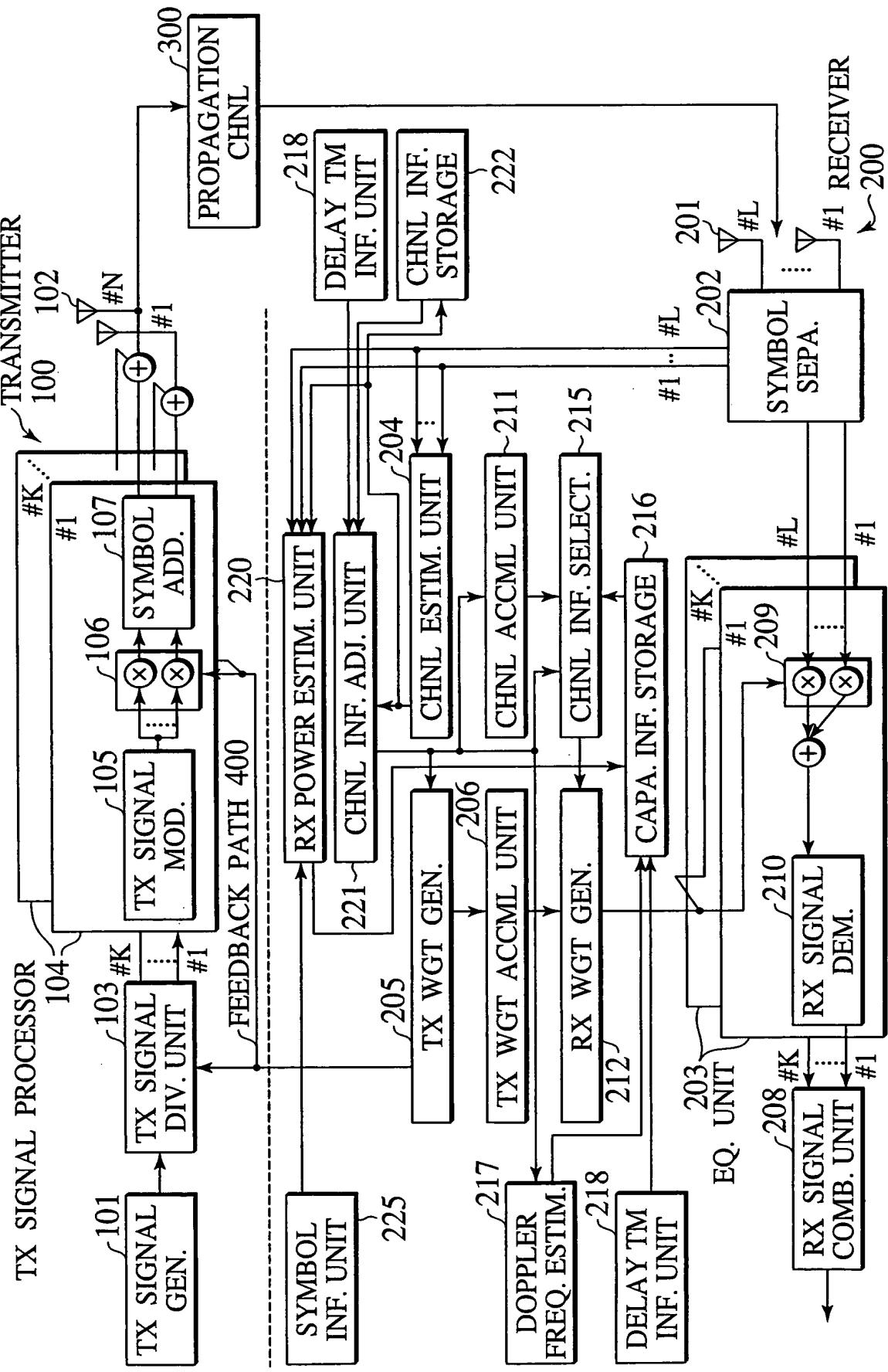
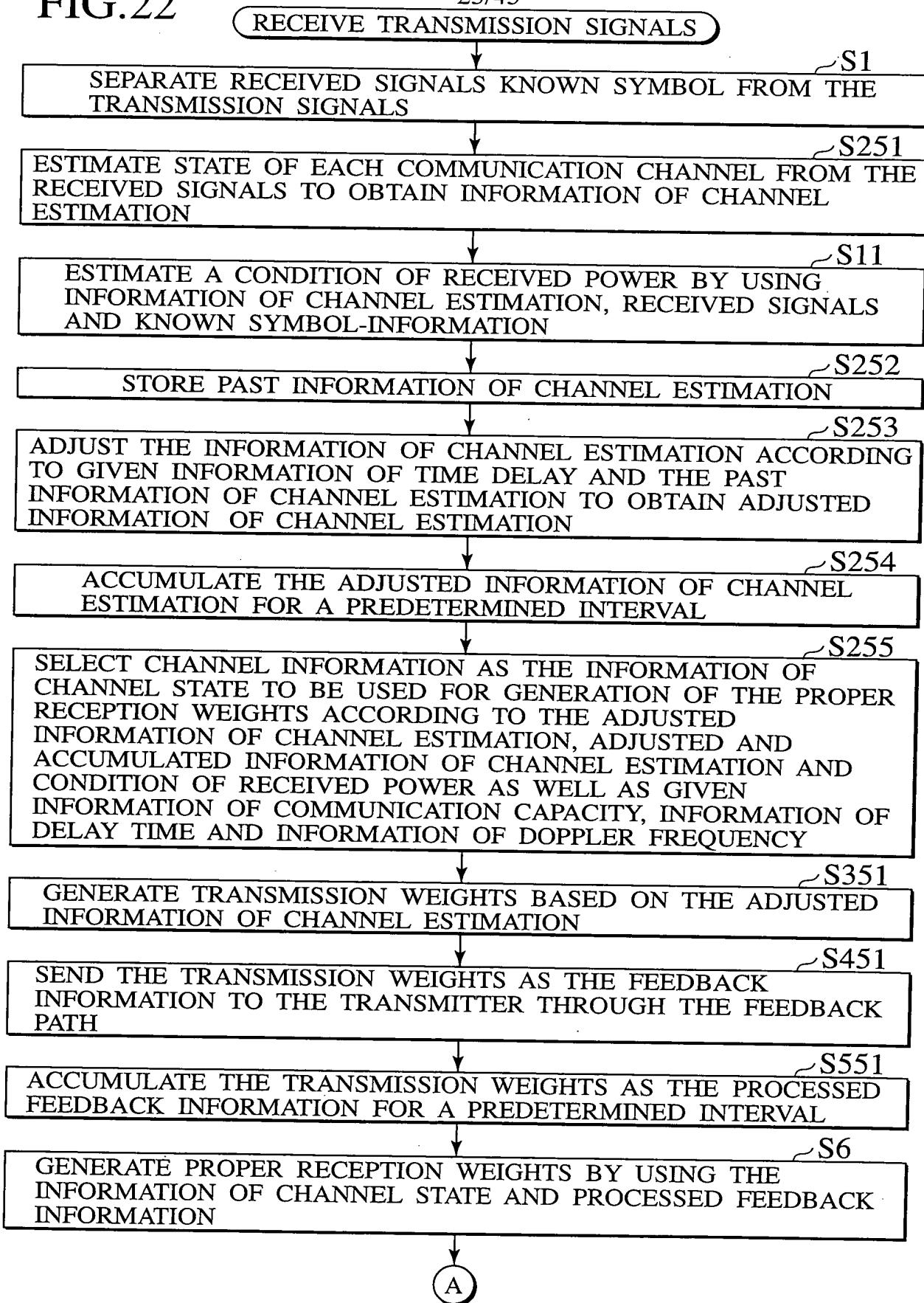
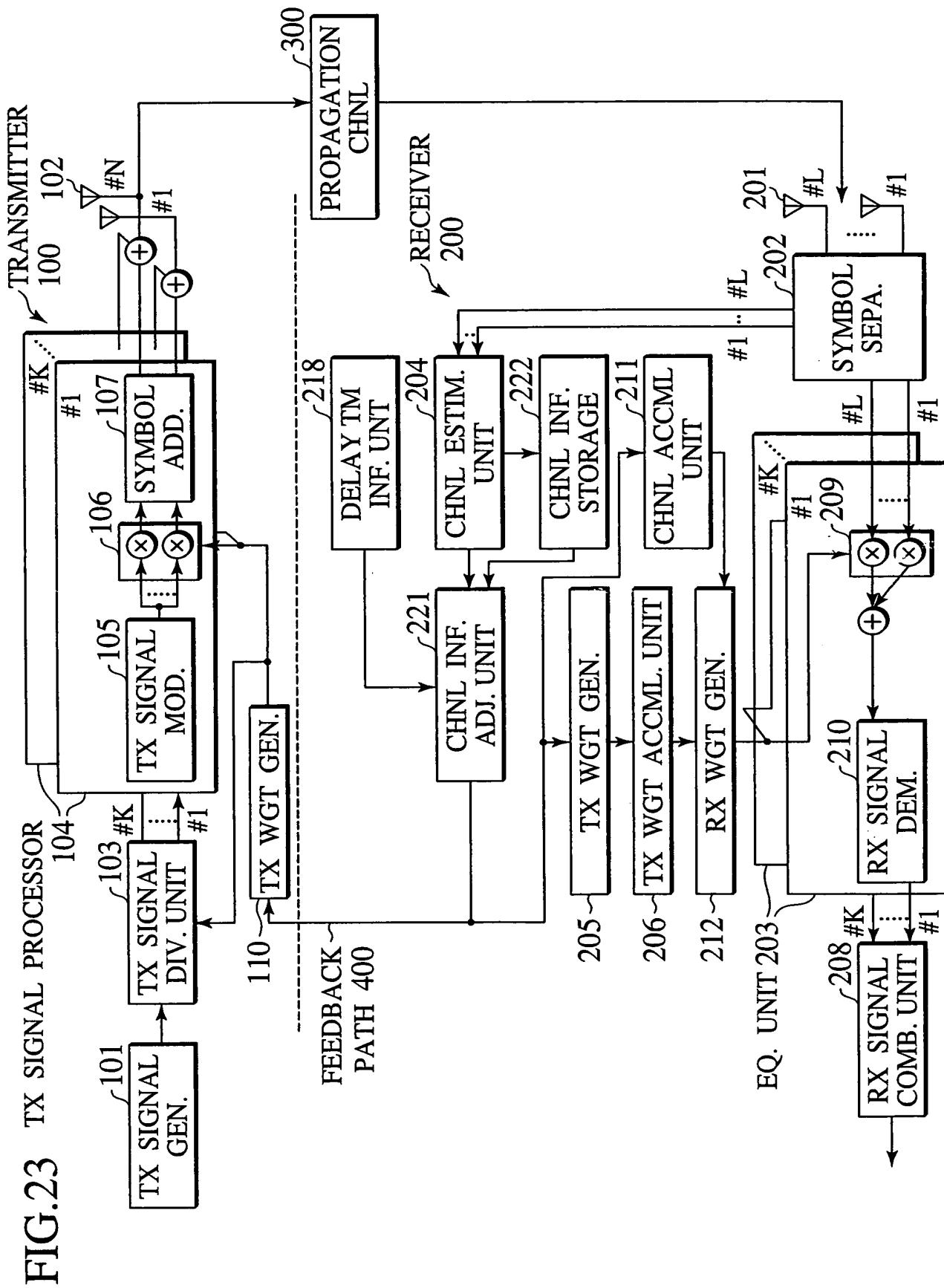


FIG.22

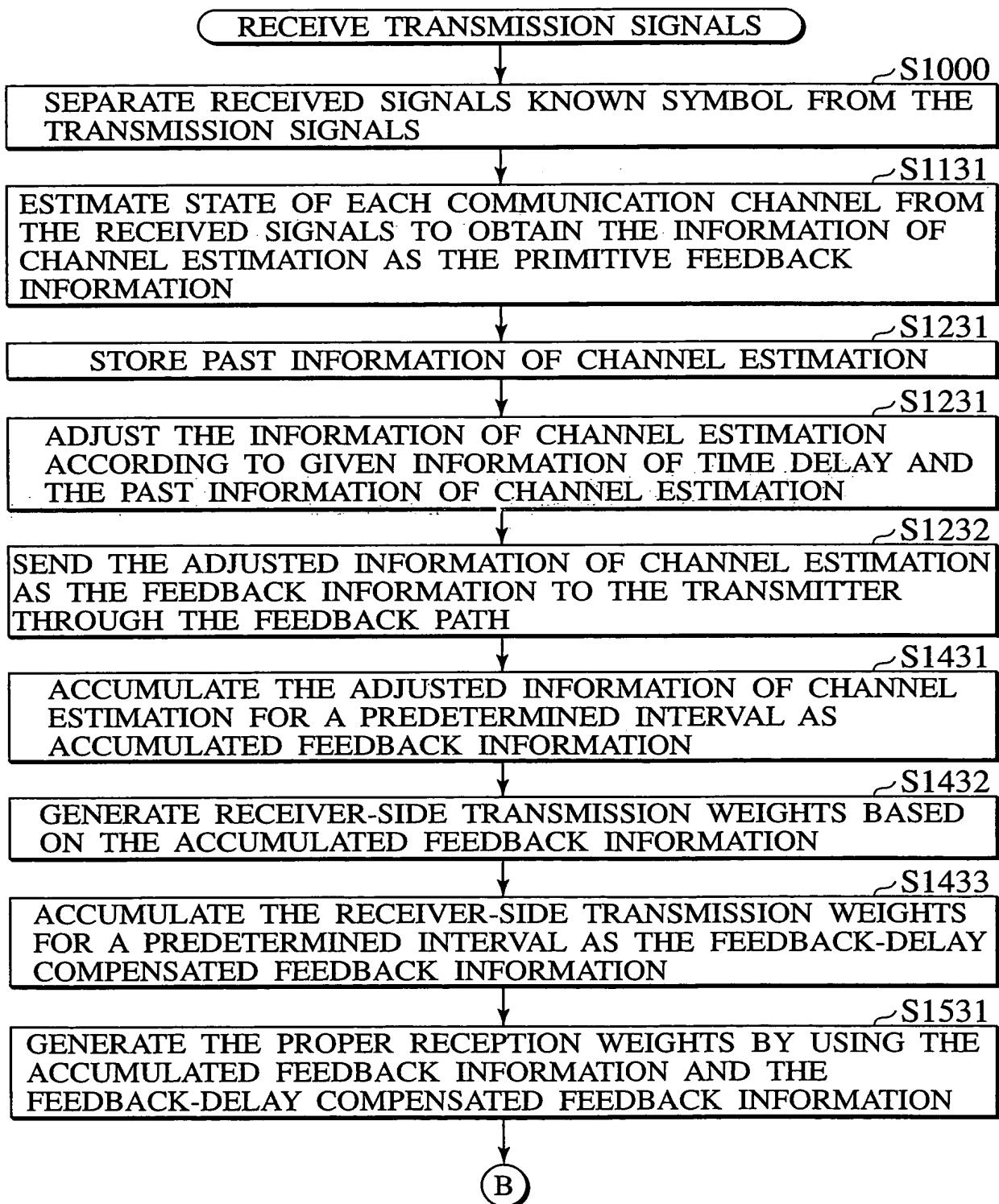
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FIG.24



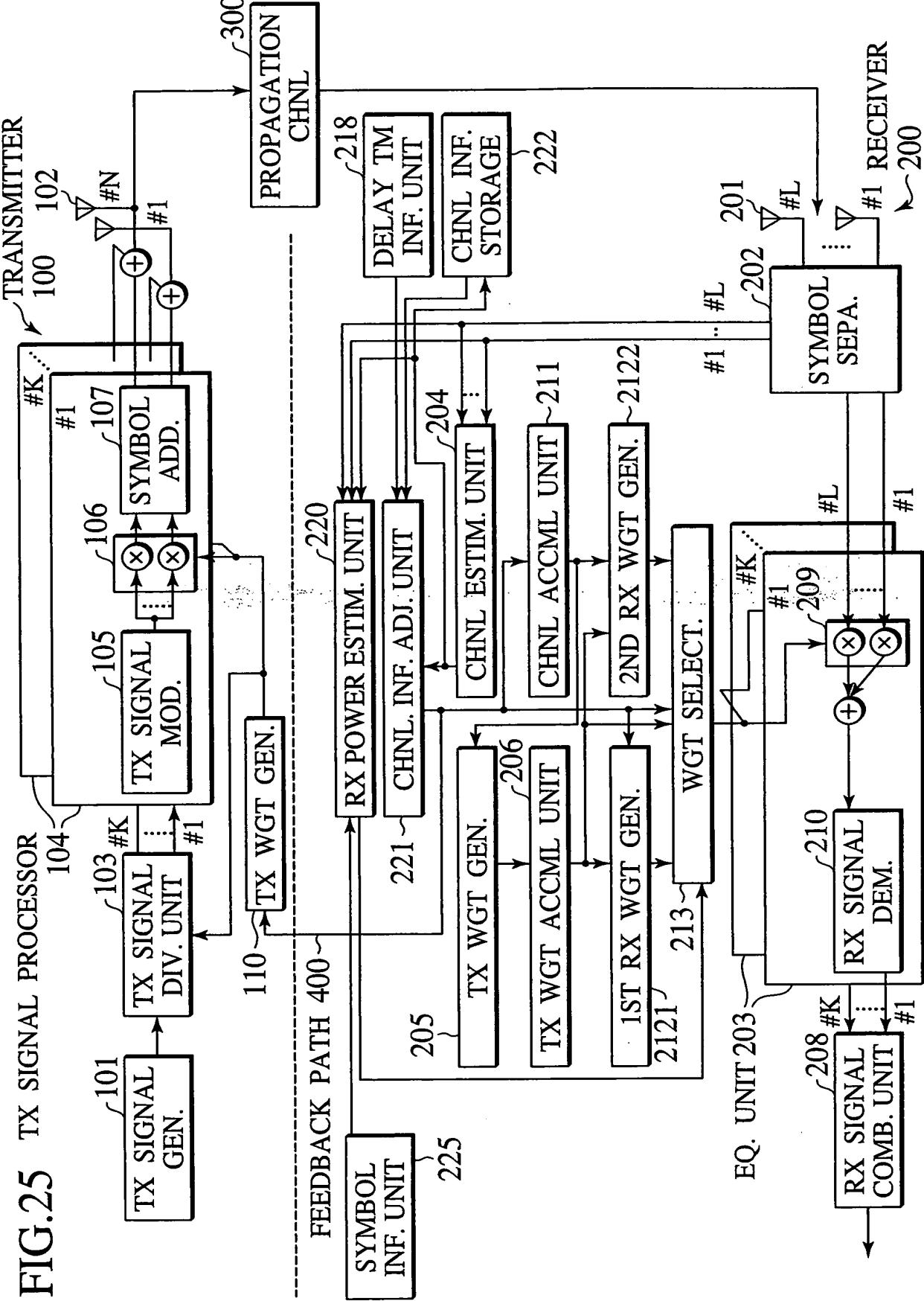


FIG. 26

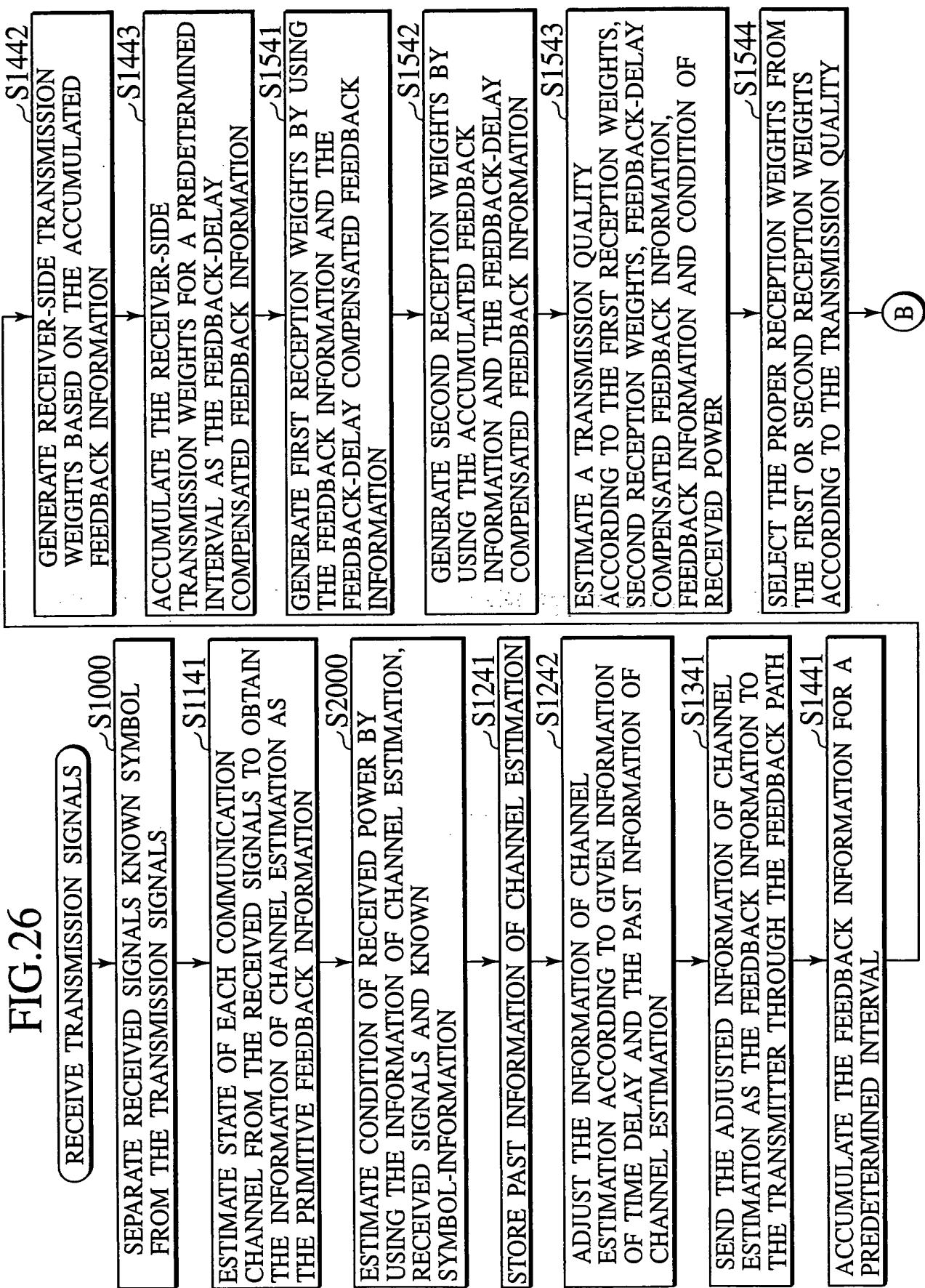


FIG.27 TX SIGNAL PROCESSOR

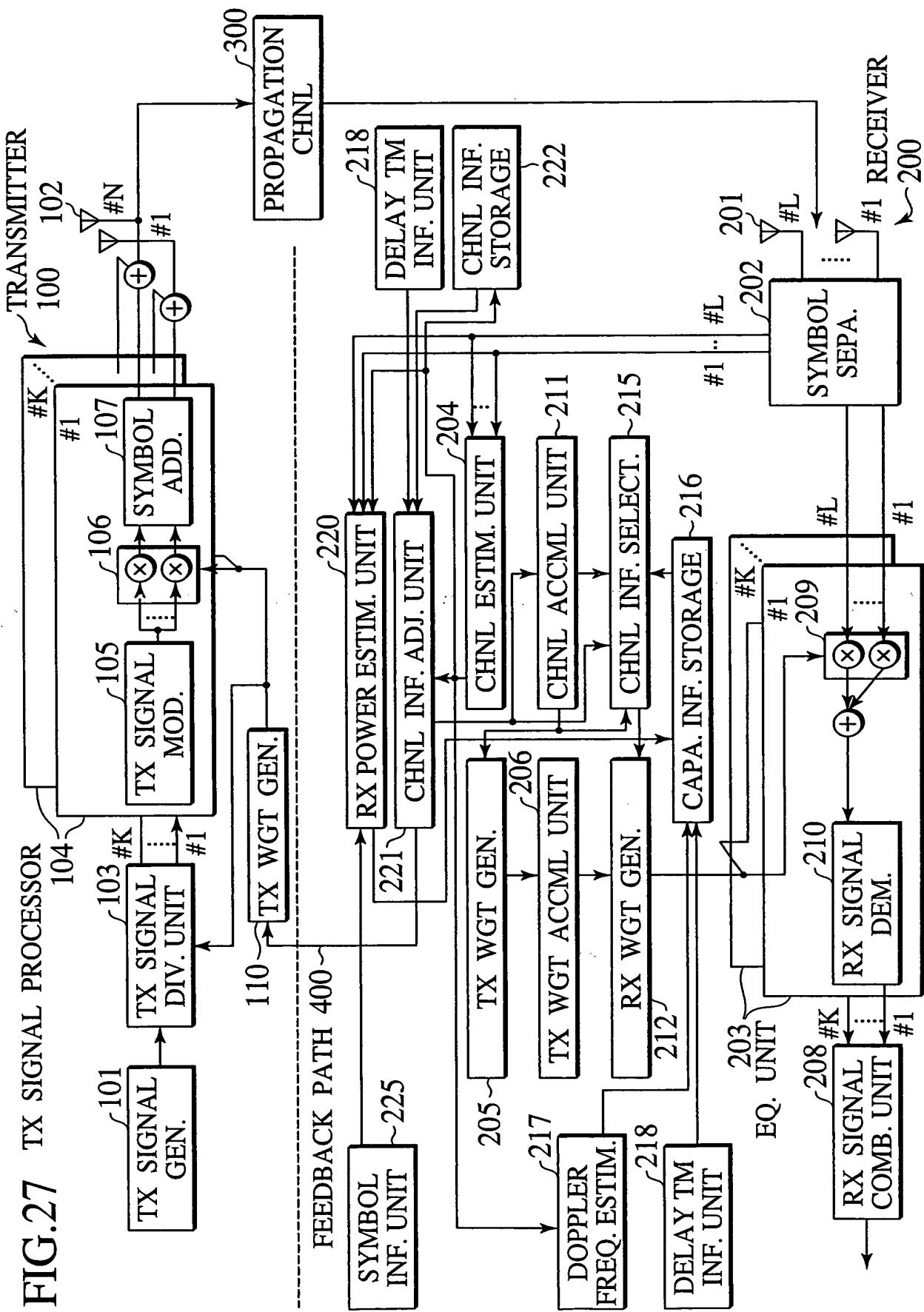


FIG.28

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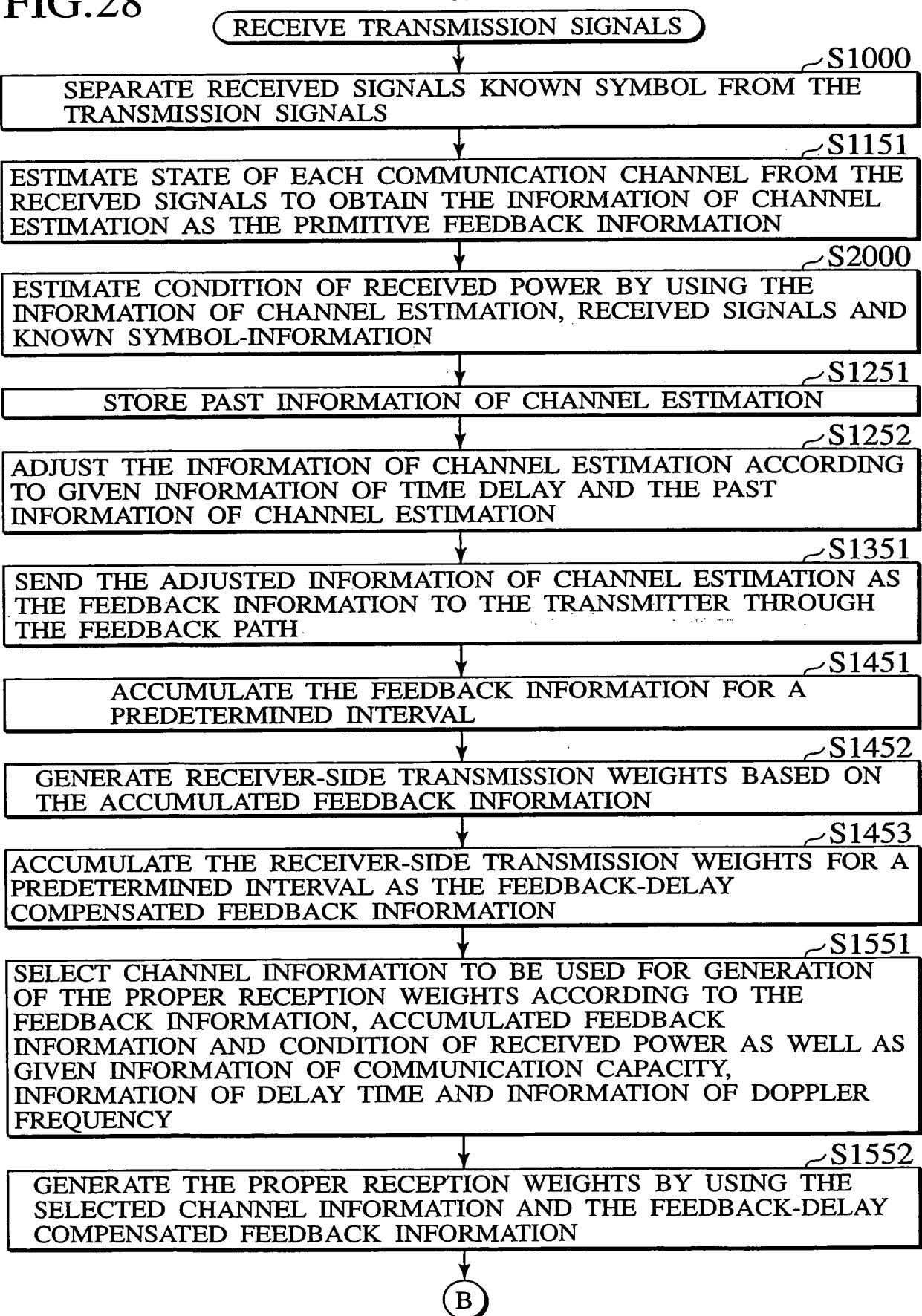


FIG.29

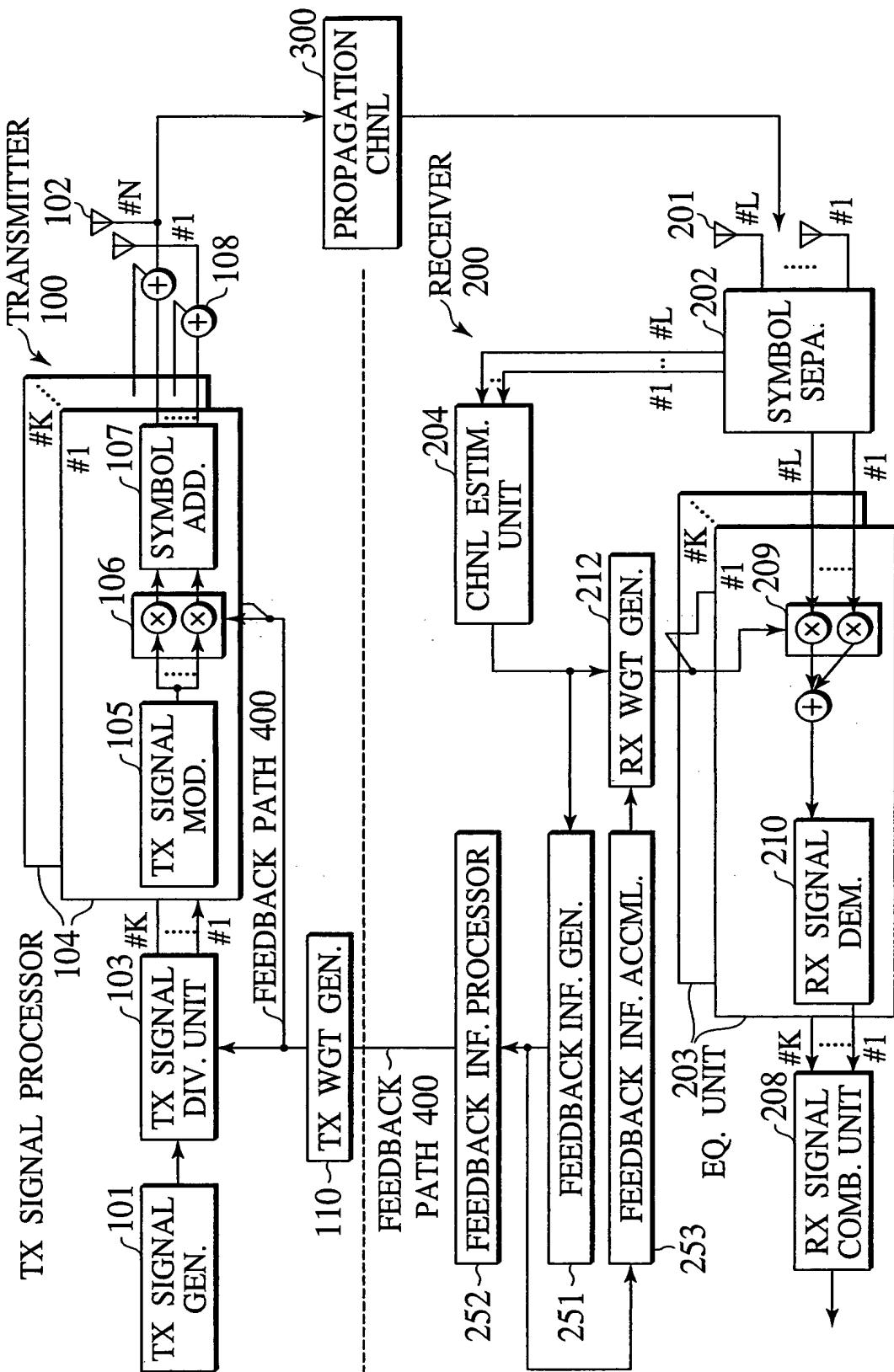


FIG.30

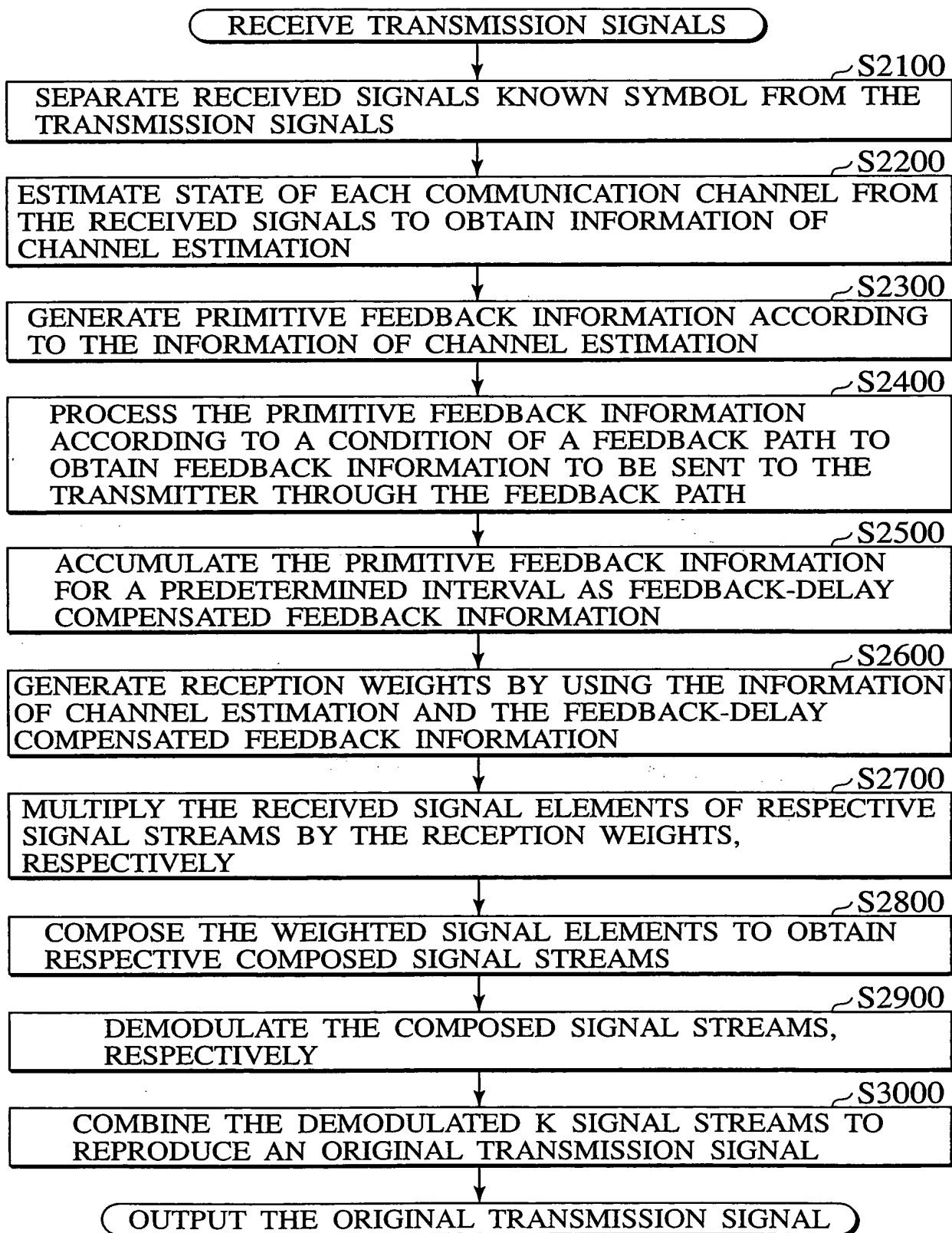


FIG.31

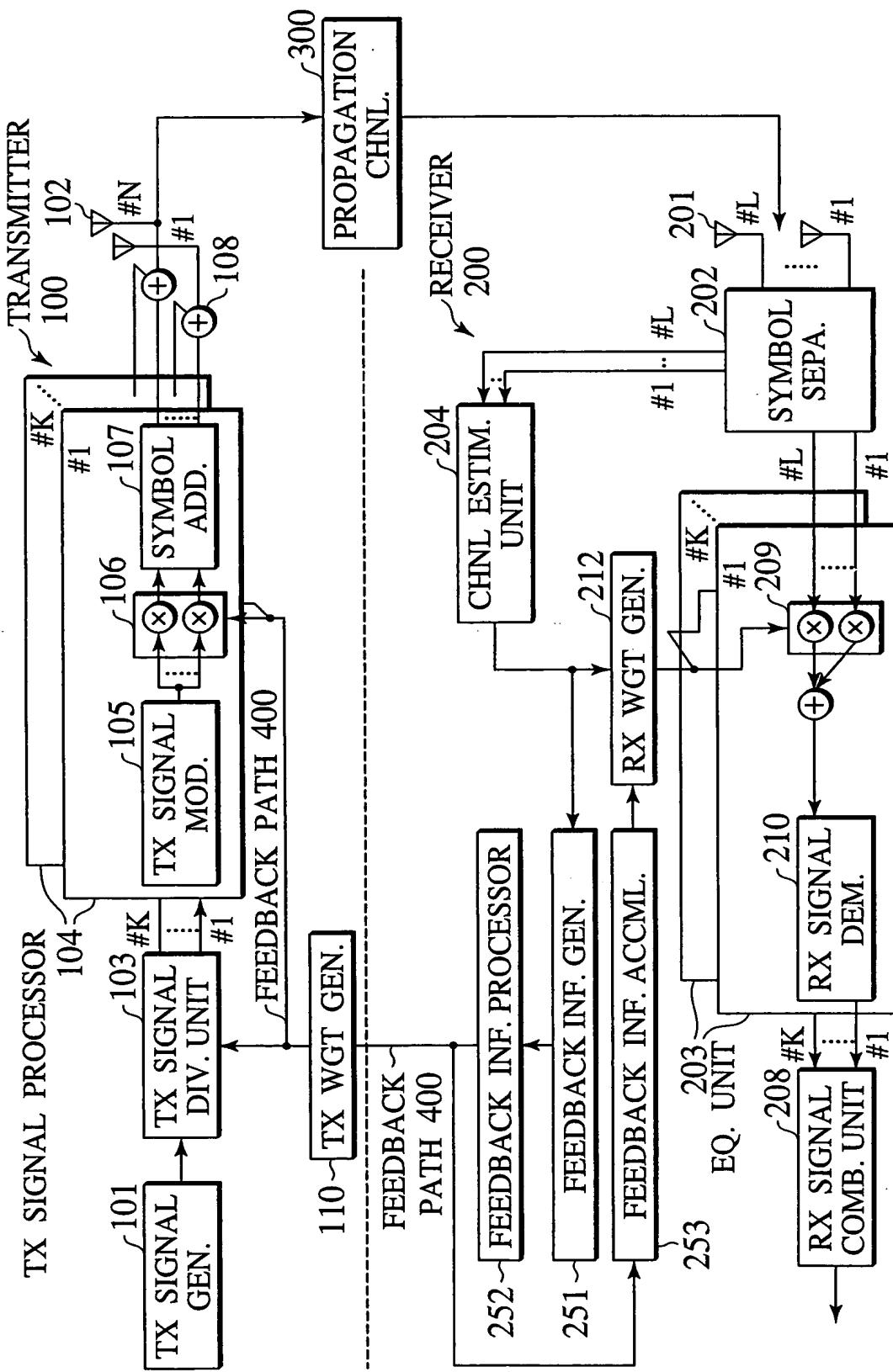


FIG.32

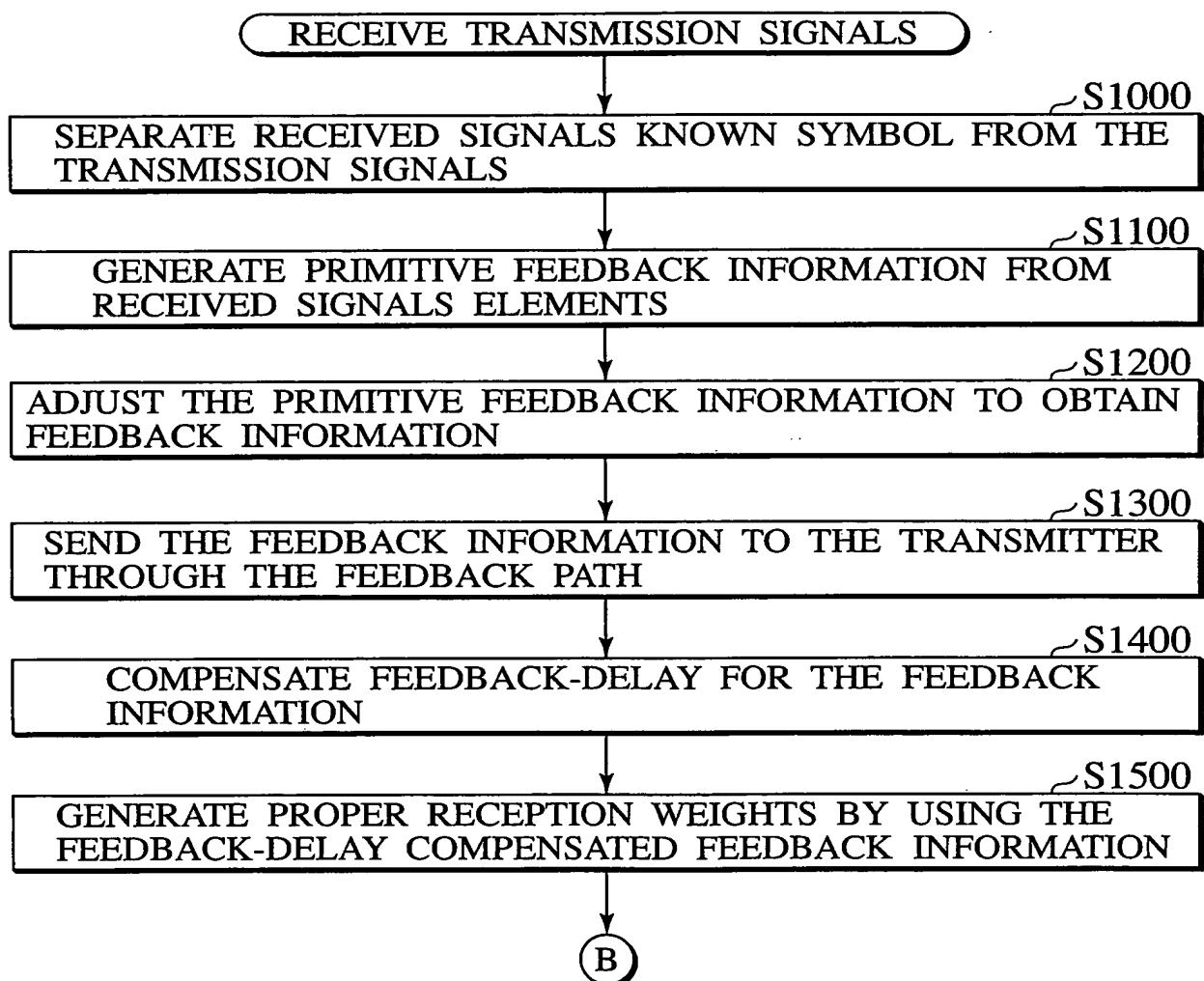


FIG.33

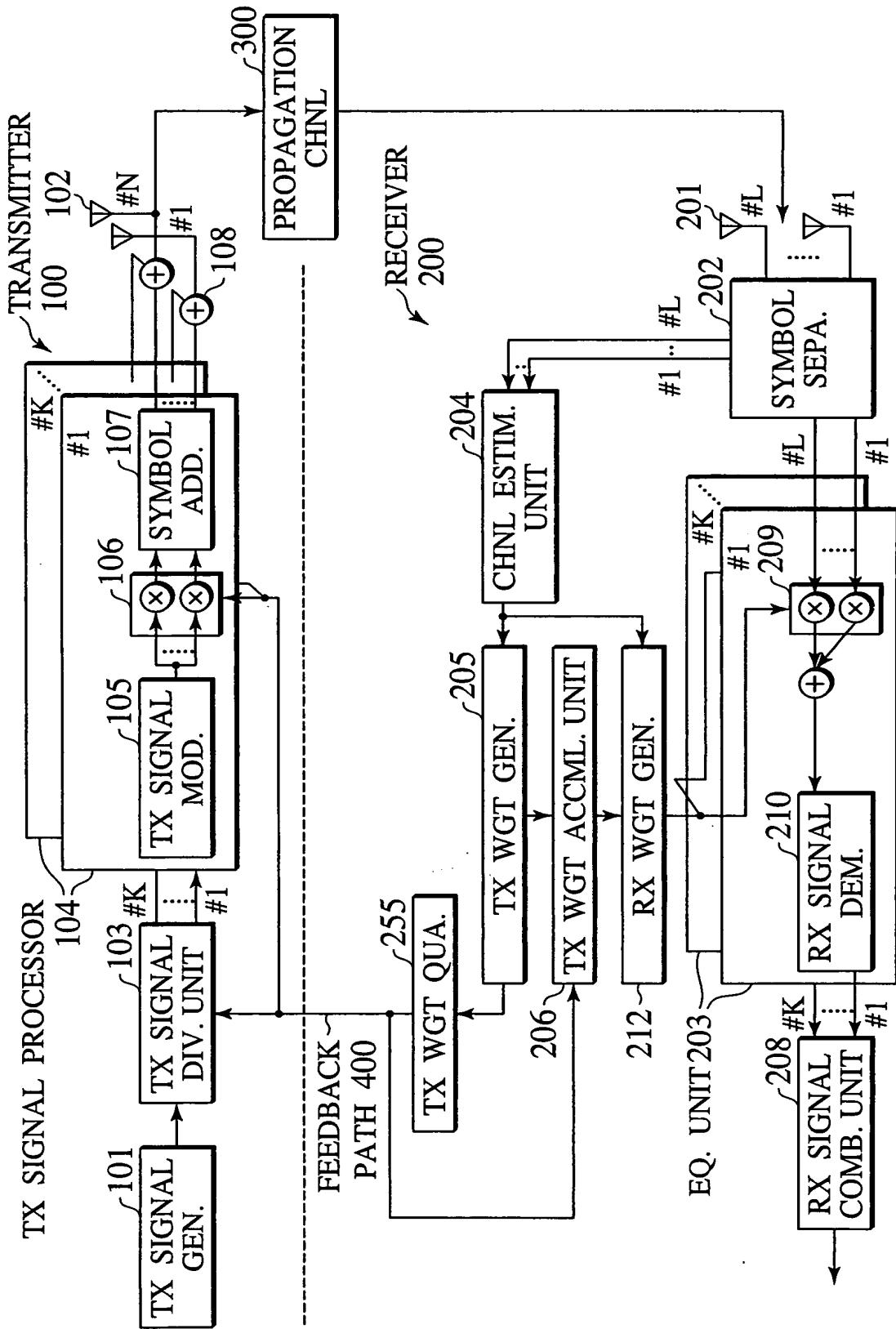
TABLE 1

	TRANSMISSION WEIGHT INF.	COMMUNICATION CHANNEL INF.	RECEPTION WEIGHT INF.
14TH EMBODIMENT	\tilde{W}_T	A	W_R
15TH EMBODIMENT	\tilde{W}_T	A	\tilde{W}_R

\tilde{W} : GENERATED BY THE PROCESSED FEEDBACK INF.

W : GENERATED BY THE FEEDBACK INF.

FIG.34



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FIG.35

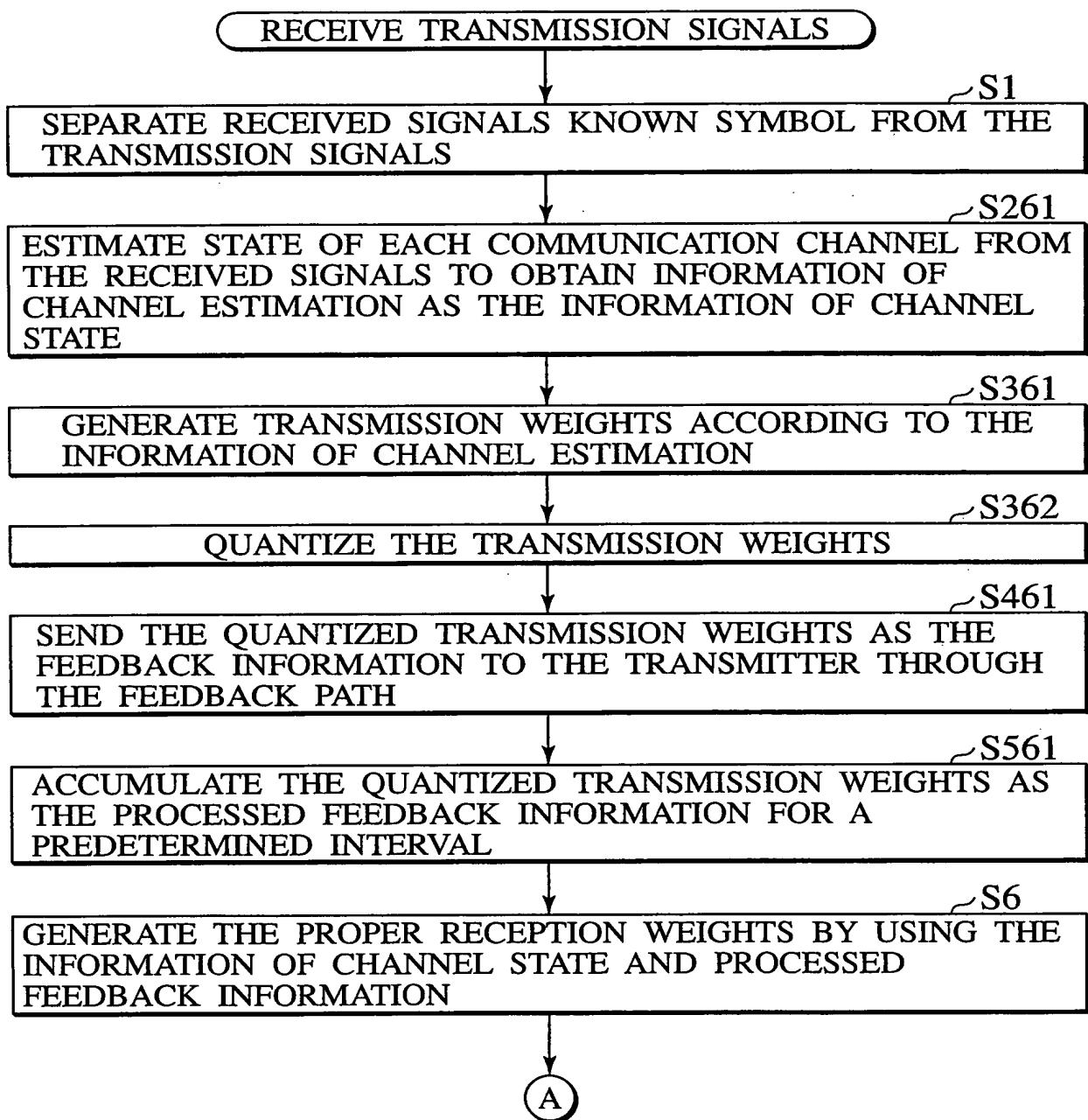


FIG.36

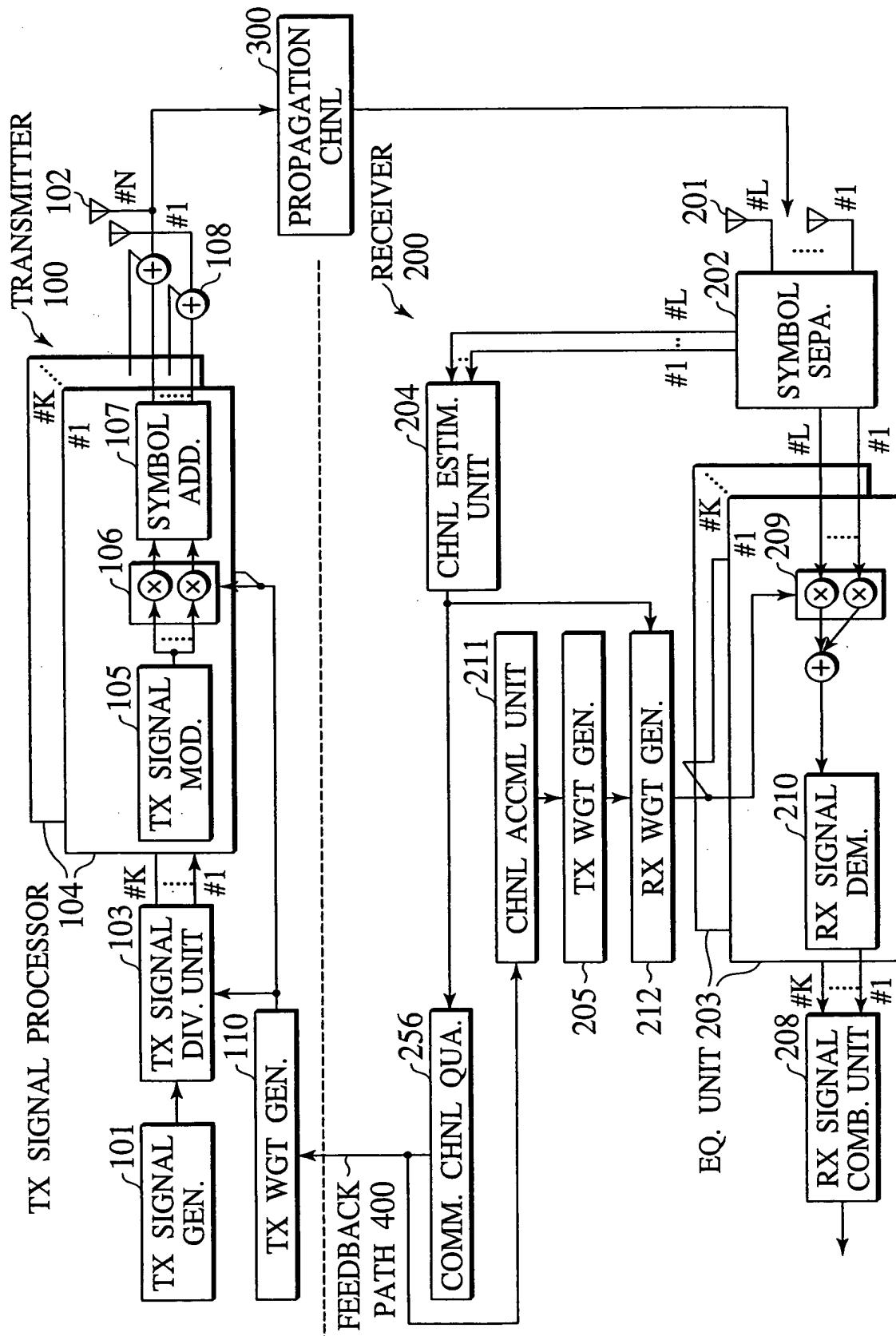


FIG.37

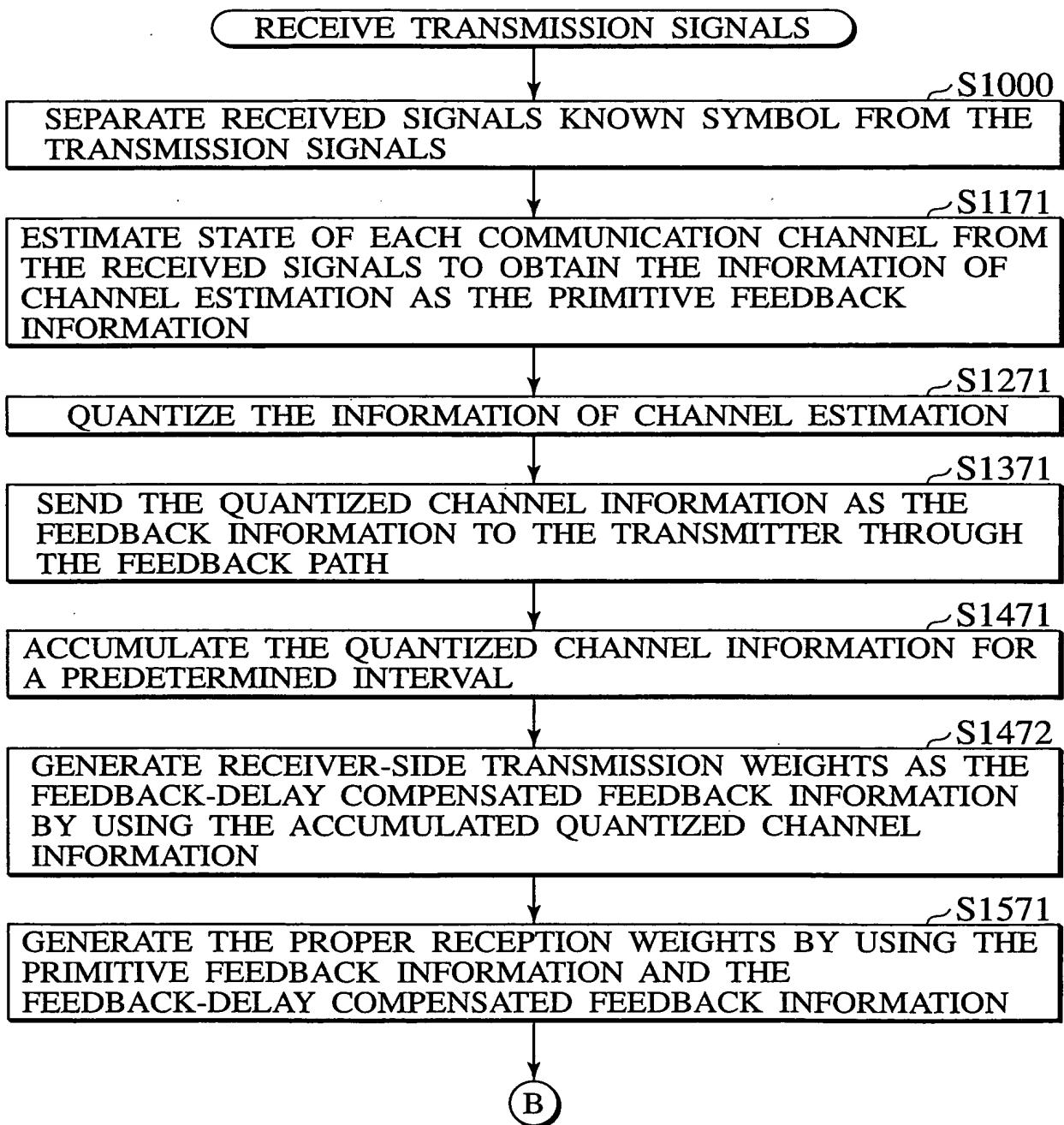


FIG.38

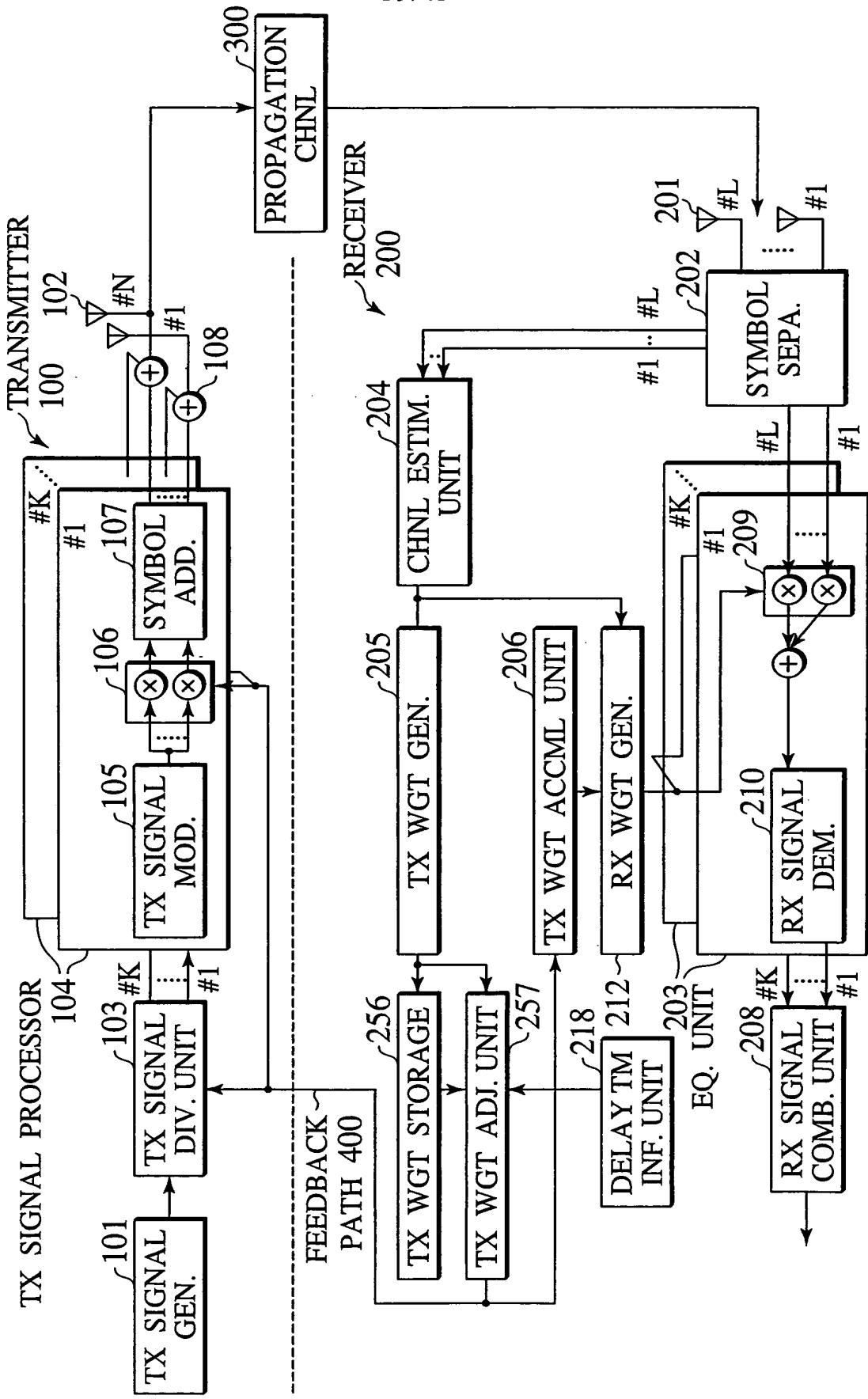


FIG.39

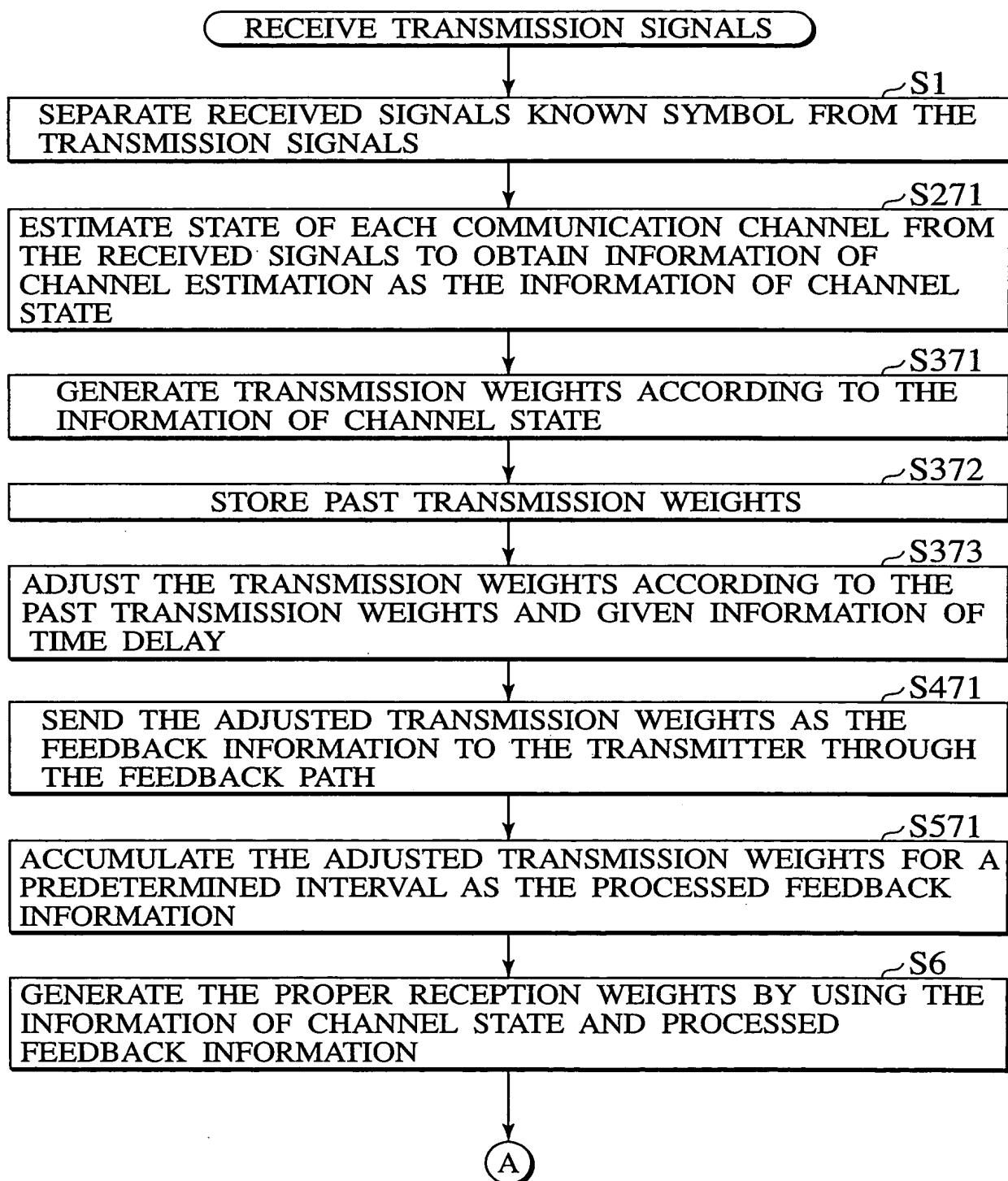


FIG.40

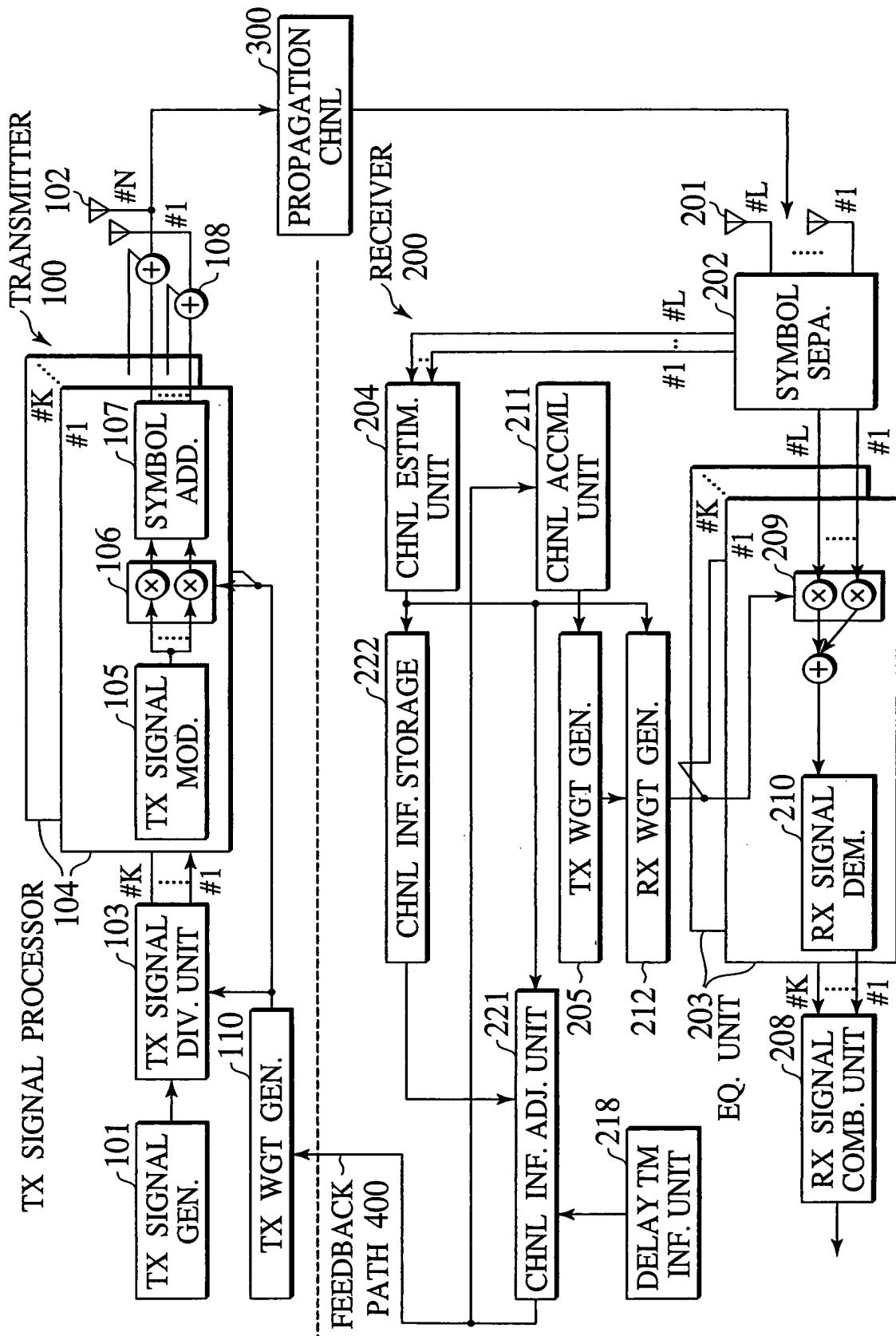


FIG.41

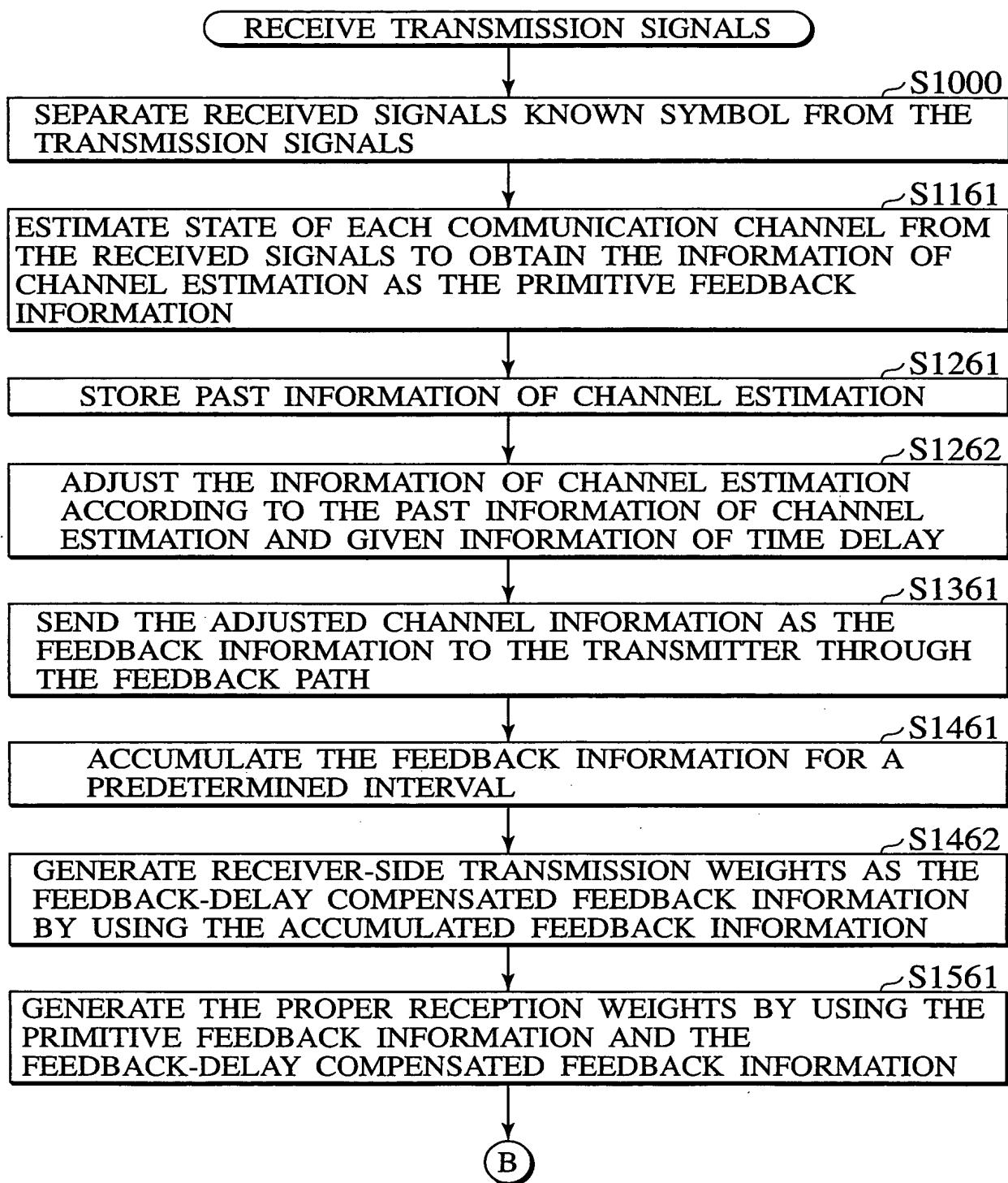
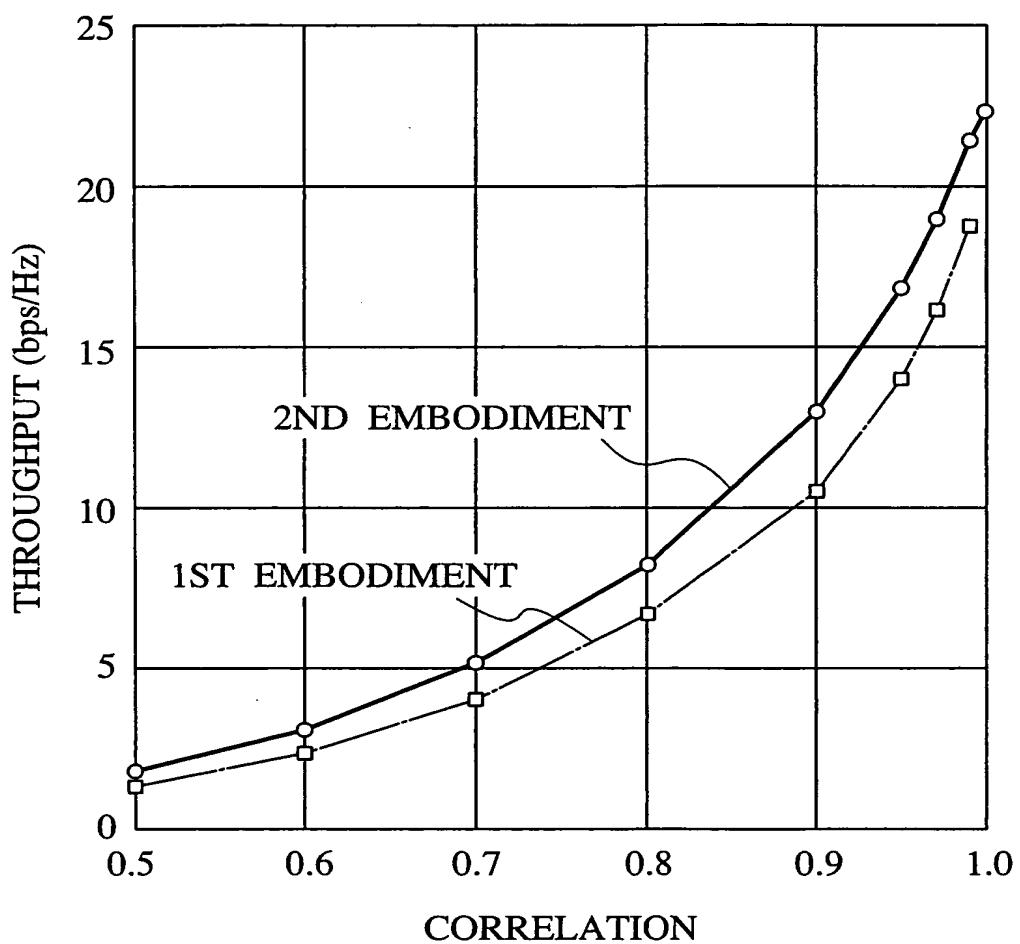


FIG.42

TABLE 2

ANGULAR WIDTH	TX : 5° , RX : 35° (EACH LAPLACE DISTRIBUTION)
ANTENNA PITCH	TX ANTENNA : 10λ RX ANTENNA : 0.5λ
DIRECTIVITY	NON-DIRECTIVE

FIG.43



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FIG.44

